FILE NO. 030-9415

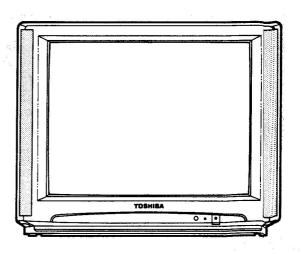
TOSHIBA

SERVICE MANUAL

COLOUR TELEVISION

C3SS Chassis

2836DF, 2536DF



SAFETY INSTRUCTIONS

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

X-RAY RADIATION PRECAUTION

- 1. The E.H.T. must be checked every time the receiver is serviced to ensure that the C.R.T. does not emit X-ray radiation as result of excessive E.H.T. voltage. The nominal E.H.T. for this receiver is 26.5 kV at zero beam current (minimum brightness) operating at 220V a.c. The maximum E.H.T. voltage permissible in any operating circumstances must not exceed 29.0 kV. When checking the E.H.T., use the 'High Voltage Check' procedure in this manual using an accurate E.H.T. voltmeter.
- 2. The only source of X-RAY radiation in this receiver is the C.R.T. To prevent X-ray radiation, the replacement C.R.T. must be identical to the original fitted as specified in the Parts List.
- Some components used in this receiver have safety related characteristics preventing the C.R.T. from emitting X-ray radiation.
 For continued safety, replacement component should only be made after referring the Product

Safety Notice below.

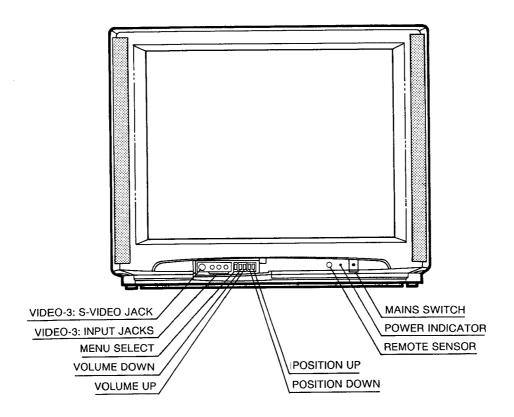
SAFETY PRECAUTION

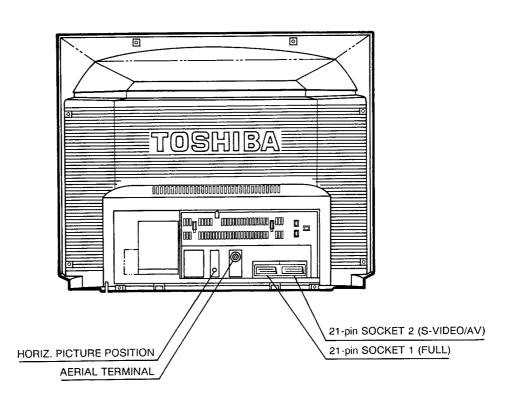
- This receiver has a nominal working E.H.T. voltage of 24.5 kV. Extreme caution should be exercised when working on the receiver with the back removed.
 - Do not altempt to service this receiver if you are not conversant with the precautions and procedures for working on high voltage equipment.
 - When handling or working on the C.R.T., always discharge the anode to the receiver chassis before removing the anode cap
 - The C.R.T., if broken, will violently expel glass fragments. Use shatter proof goggles and take extreme care while handling.
 - Do not hold the C.R.T. by the neck as this is a very dangerous practice.
- It is essential that to maintain the safety of the customer all cable forms be replaced exactly as supplied from factory.
- 3. A small part of the chassis used in this receiver is, when operating, at approximately half mains potential at all times. It is therefore essential in the interest of safety that when serving or connecting any test equipment the receiver should be supplied via a suitable isolating transformer of adequate rating.
- Replace blown fuses within the receiver with the fuse specified in the parts list.
- 5. When replacing wires or components to terminals or tags, wind the leads around the terminal before soldering. When replacing safety components identified by the international hazard symbols on the circuit diagram and parts list, it must be a Toshiba approved type and must be mounted as the original.
- Keep wires away from high temperature components.

PRODUCT SAFETY NOTICE

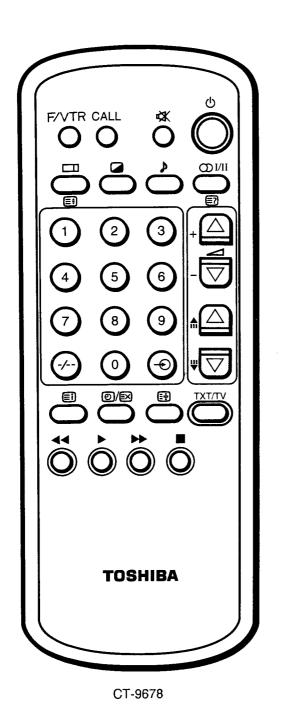
Many electrical and mechanical components in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the X-ray radiation protection afforded by them cannot necessarily be obtained by using replacements rated at higher voltages or wattage, etc. Components which have these special safety characteristics in this manual and its supplements are identified by the international hazard symbols on the schematic diagram and parts list. Before replacing any of these components read the parts list in this manual carefully. Substitute replacement components which do not have the same safety characteristics as specified in the parts list may create X-ray radiation.

FRONT CONTROLS AND REAR VIEWS

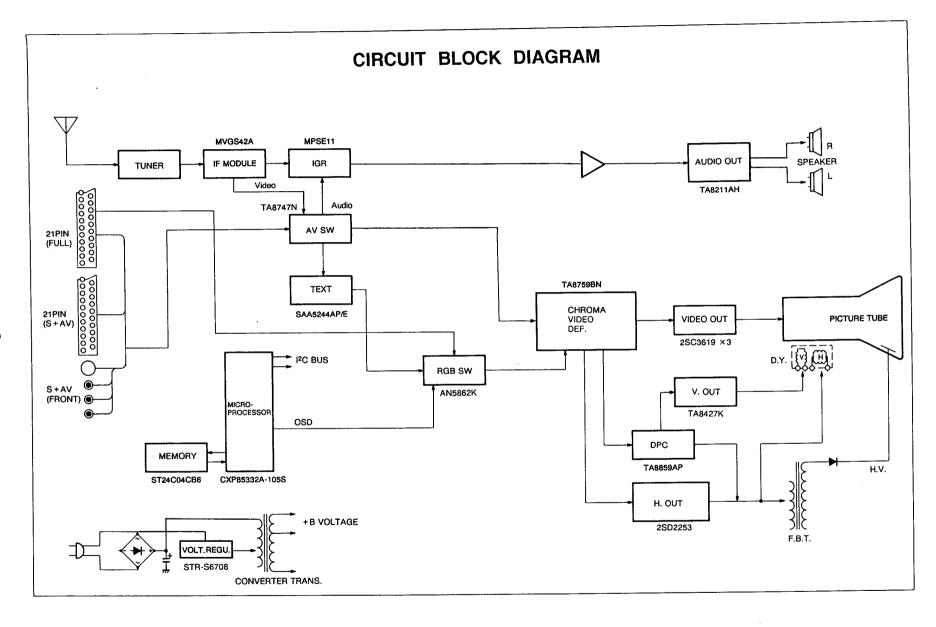




REMOTE HAND HELD UNIT



KEY ASSIGNMENT ்ர் ON STAND-BY (F+; VTR ON STAND-BY) ₩..... MUTE CALL DISPLAY CALL F/ FUNCTION KEY FOR VTR (To push double for VTR & SERVICE Operation) ☑ PICTURE MENU SOUND MENU 1~9, 0 ... TEN KEYS -/-- 1 or 2 place - VIDEO INPUT (EXTERNAL INPUT SOURCE SW.) ✓ VOLUME + LEVEL PLUS (VOLUME, MENU) - LEVEL MINUS (VOLUME, MENU) △, UP (POSI., CH., TEXT PAGE) ♥...... DOWN (POSI., CH., TEXT PAGE) TXT/TV...... TEXT, MIX, TV MODE SW. ∰..... HOLD ②/赵 TIME DISPLAY (TV MODE) TEXT CLEAR (TEXT MODE) TELE-■ INDEX **TEXT** FLOF COLOUR KEY (4 key used) (); Green C ; Red (); Cyan O; Yellow To push with F/VTR Key ტ ON STAND-BY ■ STOP ► PLAY **◄------** FF / CUE **▶▶** ----- REV / REW



WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

INSTALLATION AND SERVICE ADJUSTMENTS

GENERAL INFORMATIONS

All adjustments are thoroughly checked and corrected when the receiver leaves the factory. Therefore the receiver should operate normally and produce proper colour and B/W pictures upon installation. However, several minor adjustments may be required depending on the particular location in which the receiver is operated.

This receiver is shipped completely in cardboard carton. Carefully draw out the receiver from the carton and remove all packing materials. Plug the power cord into a convenient 220 volts 50 Hz AC two pin power outlet. Turn the receiver ON. Check and adjust all the customer controls such as BRIGHTNESS, CONTRAST and COLOUR Controls to obtain natural colour or B/W picture.

AUTOMATIC DEGAUSSING

A degaussing coil is mounted around the picture tube so that external degaussing after moving the receiver is normally unnecessary, providing the receiver is properly degaussed upon installation. The degaussing coil operates for about 1 second after the power to the receiver is switched ON. If the set is moved or faced in a different direction, the power switch must be switched off at least 30 minutes in order that the automatic degaussing circuit operates properly. Should the chassis or parts of the cabinet become magnetized to cause poor colour purity, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube, the sides and front of the receiver and slowly withdraw the coil to a distance of about 2 m before disconnecting it If colour shading still persists, from AC source. perform the COLOUR PURITY ADJUSTMENT and CONVERGENCE ADJUSTMENTS procedures.

HIGH VOLTAGE CHECK

CAUTION: There is no HIGH VOLTAGE ADJUST-MENT on this chassis.

- 1. Connect an accurate high voltage meter to the second anode of the picture tube.
- 2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST Controls to minimum (zero beam
- 3. High voltage will be measured below 29.0 kV.

HORIZONTAL CENTRE ADJUSTMENT

- 1. Receive the UK PHILIPS pattern.
- 2. Set the contrast and colour to centre, and the brightness to centre.
- 3. Adjust H. CENTER USER Control (R452) so the pattern centre can be located at the screen centre.

FOCUS ADJUSTMENT

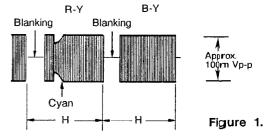
Adjust FOCUS Control on FLYBACK TRANS. (T461) for well defined scanning lines in the centre area on the screen.

PAL MATRIX ADJUSTMENT

- Tune in the colour programme of the Philips pattern.
- Set the COLOUR Control to obtain the proper colour.
- If the PAL MATRIX adjustment is incorrect, the Venetian Blind would appear in the colour bars area. This case needs the adjustment.
- At the first, adjust DL PHASE ADJ. Coil (L551) to minimize the Venetian Blind.
- Next adjust 1H-DL ADJ. VR (R551) to minimize the Blind.
- If the Venetian Blind still remains, adjust 1H-DL PHASE ADJ. Coil (L551) to minimize the Blind
- Repeat the item 5 and 6 procedures, adjust the R551 and L551 until the Blind does not appear.

BELL COIL (LM01) ADJUSTMENT

- Receive SECAM colour bar signal.
- Connect the synchroscope to the terminal Pin 2 of
- Adjust LM01 for the flat level of amplitude in each colour bar waveform on the scope. (See figure 1.)



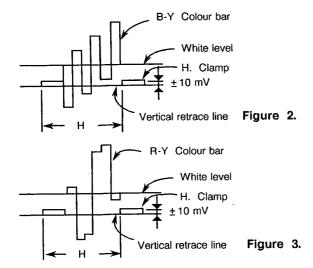
IDENT COIL (LM04) ADJUSTMENT

- Receive SECAM colour bar signal.
- Connect the DC voltmeter (Digital Voltmeter) to the pin 23 of IC501.
- Adjust LM04 for the maximum indication (approx. DC10V) on the meter.

Note: When peak is observed twice, take higher peak to set. Lower peak is wrong to show abnormal color

B-Y, R-Y DEMOD COIL (LM02, LM03) ADJUSTMENT

- 1. Receive SECAM colour bar signal.
- Set the COLOUR, BRIGHTNESS and CONTRAST Controls free.
- Connect the synchroscope to the pin 62 of IC501. Adjust LM02 so that the white level in picture part reaches to the vertical retrace line. (See figure 2.)
- Then change the connection of synchroscope from the pin 62 to the pin 60 of IC501.
- Adjust LM03 so that the white level in picture part reaches to the vertical retrace line. (See figure 3.)



CRT GREY SCALE ADJUSTMENT

- 1. Tune in an active channel.
- Set the SERVICE SW. (S202) in the "H. LINE" position.
- Turn the SCREEN Control (on T461) fully counterclockwise.
- By rotating the RED, GREEN and BLUE CUT OFF Controls (R557, R558, R559) to the mid position.
- Set the GREEN and BLUE DRIVE Controls (R252, R253) to the center.
- Rotate the SCREEN Control gradually clockwise until the first line appears slightly on the screen.
 Set the SCREEN Control to this position.
- 7. Adjust the CUT OFF Controls to obtain the slightly lighted horizontal lines in the same levels of three colours (RED, GREEN and BLUE).

- The lines may look like white if the CUT OFF Controls are adjusted properly.
- Set the SERVICE SW. (S202) in the "RECEIVE" position.
- Set the CONTRAST and COLOUR Controls to minimum, and BRIGHTNESS Control to the maximum.
- Adjust the BLUE and GREEN DRIVE Controls (R252/R253) to obtain proper white-balanced picture in high light areas.
- 11. Set the BRIGHTNESS and CONTRAST Controls to obtain dark grey raster. Then check the white balance in low brightness. If the white balance is not proper, retouch the CUT OFF Controls and DRIVE Controls to obtain a good white balance in both low and high light areas.

SUB-BRIGHTNESS ADJUSTMENT

- 1. Tune in a colour programme.
- 2. Set the CONTRAST Control to the minimum and the BRIGHTNESS Control to the centre.
- Set the COLOUR Control to the centre.
- Set the SUB-BRIGHT. Control (R255) to the centre and leave the receiver for five minutes in this state.
- Watching the picture well, adjust the SUB-BRIGHT.
 Control in the position where the picture does not show evidence of blooming in high bright area and not appear too dark in low bright portion.
- Check the proper picture variation by rotating the CONTRAST and BRIGHTNESS Controls to both extremes.
- 7. If the picture does not appear dark with the CONTRAST and BRIGHTNESS Controls turned to the minimum, or not appear bright with the controls turned to the maximum, adjust the SUB-BRIGHT. Control again for the acceptable picture.

SERVICE ADJUSTMENT (BUS DATA CONTROL)

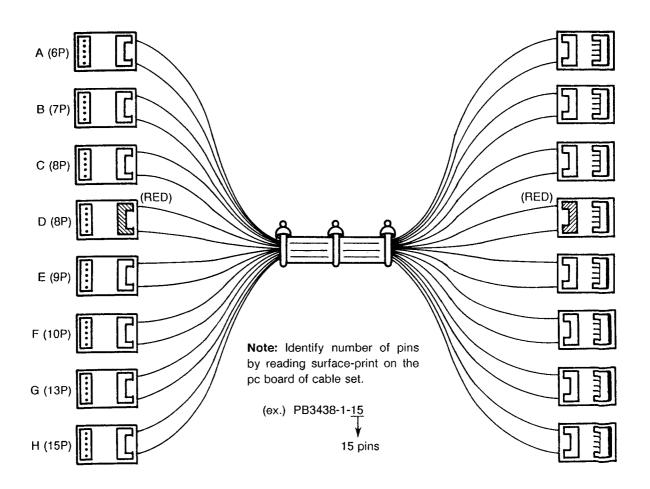
STEP	ADJUSTING PARTS	INPUT TERMINAL	OUTPUT TERMINAL	TEST SIGNAL	PROCEDURE (BUS DATA)
1	RF AGC	IF input (Pin BA) of P102)	AGC terminal of tuner	IF 38.9 MHz CW 95 dB _μ F	 Unsolder solder link of IF to open. Set the TV to B/G mode. Set the TV to SERVICE mode. *1 Connect DVM to terminal (BC) of P102. Send BUS DATA (RFA) by remote control so that voltage at terminal (BC) can be 4V. *2
2	SECAM DET LEVEL	RF input	VIDEO output terminal BW of PIF Board	L-SECAM Modulation: 97% (at 94%) positive Input: 70 dB µV (F-6ch) (All white signal be included.)	 Turn TV on. Connect probe (10:1) of scope to VIDEO output terminal (BW). Send BUS DATA (LVE) by remote control for the response of 2.0 Vp-p on scope. *3

- *2 Select the "RFA" symbol (F + ☐ (Item UP),
 F + ☐ (Item DN)) and adjust the level by LEVEL
 key of RMT H.H.U. and leave the TV for five
 minutes in this state.
- *3 Select the "LVE" symbol (F + (Item UP), F + (Item DN)) and adjust the level by LEVEL key of RMT H.H.U. and leave the TV for five minutes in this state.

EXTENSION CABLE SET

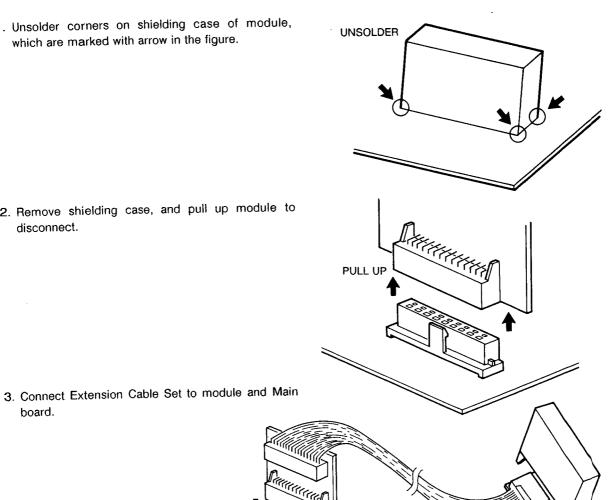
- Extension Cable Set is available for servicing modules of C2DB chassis.
 For 2536DF/2836DF chassis, however, this cable is used only for SIF CONVERTER (10P) and CHROMA-1 (10P) modules.
- 2. Identify number of pins by reading surface-print on the pc board of cable set.

Part No.	Description
23305270A	Extension Cable Set



TO USE THE CABLE SET

1. Unsolder corners on shielding case of module, which are marked with arrow in the figure.



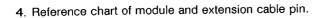
TO MODULE

CONNECT

2. Remove shielding case, and pull up module to disconnect.

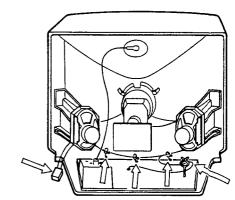


board.

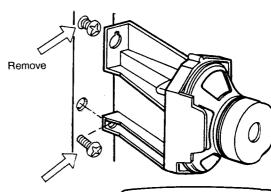


SETTING UP THE CHASSIS

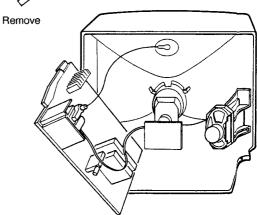
1. Remove the wire set for the loud speaker from the holder, and the degausser lead connector.



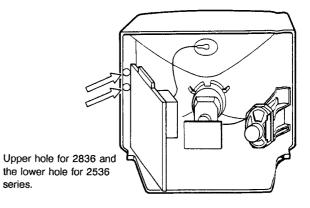
2. Remove the horn speaker unit (unscrew the fixing screws).



3. Lift up the chassis.



- 4. Using the screws which have been removed when disconnecting the front mask and the back cover, screw the chassis to the side of the front mask.
- 5. To restore, perform the above steps in opposite order.



series.

ADJUSTMENT METHOD FOR SERVICING

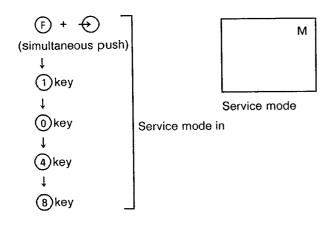
1. OUTLINE

Since each IC used is of I²C bus control type, readjustment of the TVs also needs adjustment through I²C bus control.

In the service mode, sub-bright, deflection system sub-adjustments, picture system sub-adjustments can be made easily with user remote control unit.

2. SERVICE MODE OPERATION

2-1. How to Enter the Service Mode



2-2. How to Exit from the Service Mode

Exit the service mode by turning the power on/off with the remote control.

3. ADJUSTMENT IN THE SERVICE MODE

3-1. Service Mode Level Adjustments

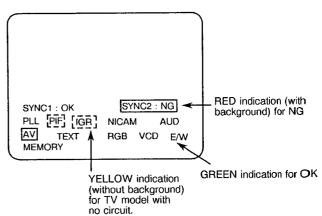
- (1) Push (F) + key (simultaneous push) (item UP) or (F) + key (simultaneous push) (item DN) to select item to be adjusted.
- (2) Adjust with the level UP/DN (VOL UP/DN key) key.

3-2. Other Service Mode Adjustments

F + 2 key (simultaneous push) cut off:
(NO VERTICAL DEFLECTION) ON/OFF

4. SELF CHECK

- (1) Indicates sync signal and acknowledgement of each IC.
- (2) Example of display on screen



(3) Operation:

① TV gets into service mode with key operation;

$$\boxed{\text{F} + \bigoplus} \rightarrow \boxed{1 \text{ key}} \rightarrow \boxed{0 \text{ key}} \rightarrow \boxed{4 \text{ key}} \rightarrow \boxed{8 \text{ key}}$$

② TV indicates screen with F + 4 key.

5. SUB DATA ADDITIONAL DESCRIPTION

ITEM No.	Symbol	Description
15	LVE	L-SECAM output level.
16	RFA	RF AGC
17	НІТ	V amplitude adjustment.

ITEM No.	Symbol	Description
18	LIN	V linearity correction 1.
		Linearity +
		Linearity balance between top and bottom screen.
19	vsc	V linearity correction 2.
		Linearity
		Linearity balance between top/bottom and center.
20	VPC	V picture position adjustment.
21	VCP	Setting of amount of V amplitude correction against variation of screen brightness.
22	WID	H amplitude adjustment.

ITEM No.	Symbol	Description
23	DPC	H pin-cushion distortion correction.
24	CNR	H pin-cushion distortion correction at four corners.
25	KEY	Pedestal distortion correction. T-7 -7
26	НСР	Setting of amount of H amplitude correction against variation of screen brightness.
27	VMC	V linearity correction. Linearity balance at 1/4, 3/4 areas from top. Linearity Linearity

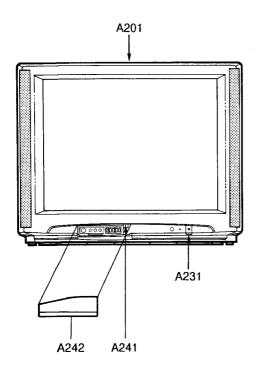
6. ROM DATA LIST FOR IIC BUS CONTROL

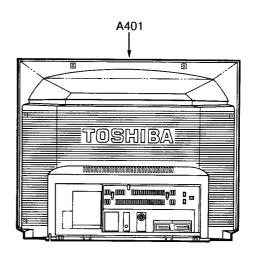
(Reference Value)

ITEM No.	Symbol	Comment	Data (Philips tube)
11	M00	MODE 0	42
12	M01	MODE 1	18
13	M02	MODE 2	01
14	M03	MODE 3	43
15	LVE	L-SECAM OUTPUT LEVEL	* 25
16	RFA	RF AGC	* 42
17	НІТ	HEIGHT	* 30
18	LIN	V. LINEARITY	32
19	VSC	V. S-CORRECTION	32
20	VPC	V. POSITION	* 07
21	VCP	V. COMPENSATION	30
22	WID	H. WIDTH	* 22
23	DPC	PARABOLA	* 26
24	CNR	DPC CORNER	32 (44)
25	KEY	KEYSTONE	* 09
26	НСР	H. COMPENSATION	10
27	VMC	V. M-CORRECTION	52
28	SHI	16:9 SUB HEIGHT	00
29	SLI	16:9 SUB V. LINEARITY	32
30	SVS	16:9 SUB V. S-CORRECTION	17
31	SDP	16:9 SUB DPC	21 (18)
32	SCN	16:9 SUB CORNER	30
33	TON	BAZOOKA TONE MID-LEVEL	_
34	NON	NICAM ON LEVEL	05
35	NOF	NICAM OFF LEVEL	16
36	ION	IGR ON LEVEL	16
37	IOF	IGR OFF LEVEL	08
38	124	IGR K24	111
39	139	IGR K39	12
40	N39	NICAM K39	13
41	149	IGR K14, K19	32
42	K23	INPUT LEVEL K23	127

^{*} Mark items should be adjuted.

CABINET REPLACEMENT PARTS LIST





Location No.	Part No.	Description
A201	23410460	Front Cover (2836DF)
A201	23519148	Front Cover (2536DF)
A220	23416835	Speaker Box, Right
A221	23448955	Piece
A225	23416834	Speaker Box, Left
A226	23448955	Piece
A231	23443776	Button, POWER (2836DF)
A231	23443775	Button, POWER (2536DF)
A241	70368125	Push Catch for Door
A242	23425524	Door (2836DF)
A242	23425536	Door (2536DF)
△A401	23425487	Back Cover (2836DF)
△ A401	23425494	Back Cover (2536DF)
A411	23569220	Label, Model No., B/C (2836DF)
A411	23569238	Label, Model No., B/C (2536DF)

CHASSIS REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 2 OF THIS MANUAL.

CAUTION: The international hazard symbols " \triangle " in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

NOTICE: The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.

ABBREVIATIONS:

Capacitors....... CD : Ceramic Disk PF : Plastic Film EL : Electrolytic
Resistors....... CF : Carbon Film CC : Carbon Composition MF : Metal Film
OMF : Oxide Metal Film VR : Variable Resistor FR : Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

Location No.	Part No.	Description			
CAPACITO	CAPACITORS				
C151	24794470	EL. 47μF, ±20%, 16V			
C152	24538474	PF, 0.47μF			
C153	24794101	EL. 100µF, ±20%, 16V			
C154	24436470	CD, 47pF			
C155	24436470	CD, 47pF			
C156	24232103	CD, 0.01µF, +80%, -20%			
C157	24232103				
C158	24590222	PF, 2200pF			
C159	24212102	CD, 1000pF, ±10%			
C160	24085981	EL, 10μF, ±20%, 16V,			
		Non-Polar			
C182	24232103	CD. 0.01μF, +80%, –20%			
C185	24232103	CD. 0.01μF, +80%, -20%			
C186	24590474	PF, 0.47 <i>μ</i> F			
C188	24797100	EL, 10μF, ±20%, 50V			
C189	24232103	CD, 0.01μF, +80%, -20%			
C190	24232103	CD, 0.01μF, +80%, -20%			
C193	24797100	EL, 10μF, ±20%, 50V			
C194	24797479	EL, 4.7μF, ±20%, 50V			
C195	24794471	EL, 470μF, ±20%, 16V			
C197	24797479	EL, 4.7μF, ±20%, 50V			
C198	24797479	El., 4.7μF, ±20%, 50V			
C202	24795101	EL, 100μF, ±20%, 25V			
C203	24232103	CD, 0.01µF, +80%, −20%			
C204	24797220	EL, 22μF, ±20%, 50V			
C205	24797478	EL. 0.47μF, ±20%, 50V			
C206	24232103	CD, 0.01µF, +80%, -20%			
C207	24794100	EL, 10μF, ±20%, 16V			
C208	24232103	CD. 0.01μF, +80%, -20%			
C209	24232103	CD. 0.01μF, +80%, –20%			
C210	24797100	EL. 10μF, ±20%, 50V			
C211	24232103	CD. 0.01μF, +80%, -20%			
C212	24232103	CD. 0.01μF, +80%, -20%			
C213	24232103	CD. 0.01μF, +80%, -20%			
C214	24436330				
C214	24436220	· · · · · · · · · · · · · · · · · · ·			
C215	24436560				
C215		CD, 47pF (2536DF)			
C240	24538474	PF, 0.47μF			

C301 24085944 EL. 2.2μF, ±20%, 50V, Non-Poar C302 24212152 CD. 1500pF, ±10% C303 24214221 CD. 220pF, ±10%, 500V C304 24590102 PF, 1000pF C305 24617912 EL. 2.2μF, ±10%, 50V (2836DF) C306 24667332 EL. 3300μF, ±20%, 25V (2836DF) C306 24667472 EL. 4700μF, ±20%, 25V (2836DF) C307 24232103 CD. 0.01μF, +80%, -20% C308 24693473 PF, 0.047μF, 100V C310 24765102 EL. 1000μF, ±20%, 35V C311 24214151 CD, 150pF, ±10%, 500V C314 24591563 PF, 0.056μF C315 24590104 PF, 0.1μF C316 24538474 PF, 0.47μF C317 24617926 EL. 220μF, ±20%, 35V C319 24212102 CD. 1000pF, ±20%, 35V C319 24212102 CD. 1000pF, ±10% C321 2459183 PF, 0.018μF C322 24617912 EL. 22μF, ±10%, 50V C323 24538224 PF, 0.22μF C324 24590683 PF, 0.018μF C325 24232103 CD, 0.01μF, +80%, -20% C326 24538474 PF, 0.47μF C317 24617920 EL. 22μF, ±10%, 50V C328 24538224 PF, 0.22μF C329 24538474 PF, 0.47μF C319 24212102 CD, 1000pF, ±20%, 35V C329 24538241 CD, 240pF C320 24538474 PF, 0.47μF C378 24590104 PF, 0.1μF C401 24617920 EL. 120μF, ±20%, 50V C402 24353241 CD, 240pF C403 24797339 EL. 3.3μF, ±20%, 50V C405 24590183 PF, 0.018μF C406 24590183 PF, 0.018μF C407 24590273 PF, 0.018μF C408 24794221 EL. 220μF, ±20%, 50V C409 24232103 CD, 0.01μF, ±80%, -20% C409 24232103 CD, 0.01μF, ±80%, -20% C409 24232103 CD, 0.01μF, ±80%, -20% C410 24082261 PF, 5600pF, 100V C411 24435330 CD, 33pF, 500V	Location No.	Part No.	Description
C302 24212152 CD, 1500pF, ±10% C303 24214221 CD, 220pF, ±10%, 500V C304 24590102 PF, 1000pF C305 24617912 EL. 2.2μF, ±10%, 50V (2836DF) C306 24667332 EL. 3300μF, ±20%, 25V (2836DF) C306 24667472 EL. 4700μF, ±20%, 25V (2536DF) C307 24232103 CD, 0.01μF, +80%, -20% C308 24693473 PF, 0.047μF, 100V C310 24765102 EL. 1000μF, ±20%, 35V C311 24214151 CD, 150pF, ±10%, 500V C313 24082057 PF, 0.22μF, 100V C314 24591563 PF, 0.056μF C315 24590104 PF, 0.1μF C316 24538474 PF, 0.47μF C317 24617926 EL. 220μF, ±20%, 35V C319 24212102 CD, 1000pF, ±10% C321 24591183 PF, 0.018μF C322 24617912 EL. 2.2μF, ±10%, 50V C323 24538224 PF, 0.22μF C324 24590683 PF, 0.068μF C325 24232103 CD, 0.01μF, +80%, -20% C326 24538474 PF, 0.47μF C378 24590104 PF, 0.1μF C378 24590104 PF, 0.1μF C379 C324 24590683 PF, 0.068μF C325 24232103 CD, 0.01μF, +80%, -20% C326 24538474 PF, 0.47μF C378 24590104 PF, 0.1μF C401 24617920 EL. 120μF, ±20%, 50V C402 24353241 CD, 240pF C403 24797339 EL. 3.3μF, ±20%, 50V C405 24590183 PF, 0.018μF C406 24590183 PF, 0.018μF C407 24590273 PF, 0.018μF C408 24794221 EL. 220μF, ±20%, 50V C409 24232103 CD, 0.01μF, +80%, -20% C409 24232103 CD, 0.01μF, +80%, -20% C409 24232103 CD, 0.01μF, +80%, -20% C400 C409 24232103 CD, 0.01μF, +80%, -20% C400 C409 24232103 CD, 0.01μF, +80%, -20% C400 C409 C4232103 CD, 0.01μF, +80%, -20% C410 C409 C408261 PF, 5600PF, 100V	C301	24085944	EL., 2.2μF, ±20%, 50V,
C303			Non-Poar
C304	C302		
C304	C303	24214221	CD, 220pF, ±10%, 500V
(2836DF) C305 24617915 EL. 1μF, ±10%, 50V (2536DF) C306 24667332 EL. 3300μF, ±20%, 25V (2836DF) C307 24232103 CD. 0.01μF, +80%, -20% C308 24693473 PF, 0.047μF, 100V C310 24765102 EL. 1000μF, ±20%, 35V C311 24214151 CD, 150pF, ±10%, 500V C313 24082057 PF, 0.22μF, 100V C314 24591563 PF, 0.056μF C315 24590104 PF, 0.1μF C316 24538474 PF, 0.47μF C317 24617926 EL. 220μF, ±20%, 35V C319 24212102 CD. 1000pF, ±10% C321 24591183 PF, 0.018μF C322 24617912 EL. 2.2μF, ±10%, 50V C323 24538224 PF, 0.22μF C324 24590683 PF, 0.068μF C325 24232103 CD, 0.01μF, +80%, -20% C326 24538474 PF, 0.47μF C378 C34590104 PF, 0.1μF C378 C324 C325 C324 C325 C324 C326 C4538474 PF, 0.018μF C327 C328 C329 C329 C320 C4617920 EL. 120μF, ±20%, 25V C401 C401 C4617920 EL. 120μF, ±20%, 25V C402 C4353241 CD, 240pF C403 C4797339 EL. 3.3μF, ±20%, 50V C405 C44590183 PF, 0.018μF C406 C4590183 PF, 0.018μF C407 C408 C44590273 PF, 0.018μF C406 C4590183 PF, 0.018μF C407 C408 C44590273 PF, 0.018μF C406 C4590183 PF, 0.018μF C407 C408 C44590273 PF, 0.018μF C408 C407 C4590273 PF, 0.018μF C408 C409 C4232103 CD, 0.01μF, +80%, -20% C409 C4232103 CD, 0.01μF, +80%, -20% C409 C409	C304	24590102	PF, 1000pF
C305	C305	24617912	
(2836DF) C306 24667472 EL. 4700μF, ±20%, 25V (2536DF) C307 24232103 CD. 0.01μF, +80%, -20% C308 24693473 PF, 0.047μF, 100V C310 24765102 EL. 1000μF, ±20%, 35V C311 24214151 CD, 150pF, ±10%, 500V C313 24082057 PF, 0.22μF, 100V C314 24591563 PF, 0.056μF C315 24590104 PF, 0.1μF C316 24538474 PF, 0.47μF C317 24617926 EL. 220μF, ±20%, 16V C318 24668221 EL, 220μF, ±20%, 35V C319 24212102 CD. 1000pF, ±10% C321 24591183 PF, 0.018μF C322 24617912 EL. 2.2μF, ±10%, 50V C323 24538224 PF, 0.22μF C324 24590683 PF, 0.068μF C325 24232103 CD, 0.01μF, +80%, -20% C326 24538474 PF, 0.47μF C378 24590104 PF, 0.1μF C401 24617920 EL. 120μF, ±20%, 25V C402 24353241 CD, 240pF C403 24797339 EL. 3.3μF, ±20%, 50V C405 24590183 PF, 0.018μF C406 C4590183 PF, 0.018μF C407 C408 24590183 PF, 0.018μF C406 C4590183 PF, 0.018μF C407 C408 24590183 PF, 0.018μF C406 C4590183 PF, 0.018μF C407 C408 24590183 PF, 0.018μF C406 C4590183 PF, 0.018μF C407 C408 C44590273 PF, 0.018μF C408 C407 C4590273 PF, 0.018μF C408 C4494221 EL. 220μF, ±20%, 50V C409 C4232103 CD, 0.01μF, +80%, -20% C409 C4232103 CD, 0.01μF, +80%, -20% C409 C409	C305	24617915	EL, 1μF, ±10%, 50V
(2536DF) C307	C306	24667332	•
C308	C306	24667472	•
C308	C307	24232103	CD, 0.01μF, +80%, -20%
C311 24214151 CD, 150pF, \pm 10%, 500V C313 24082057 PF, 0.22 μ F, 100V C314 24591563 PF, 0.056 μ F C315 24590104 PF, 0.1 μ F C316 24538474 PF, 0.47 μ F C317 24617926 EL. 220 μ F, \pm 20%, 16V C318 24668221 EL, 220 μ F, \pm 20%, 35V C319 24212102 CD. 1000pF, \pm 10% C321 24591183 PF, 0.018 μ F C322 24617912 EL. 2.2 μ F, \pm 10%, 50V C323 24538224 PF, 0.22 μ F C324 24590683 PF, 0.068 μ F C325 24232103 CD, 0.01 μ F, \pm 80%, \pm 20% C326 24538474 PF, 0.47 μ F C378 24590104 PF, 0.1 μ F C401 24617920 EL. 120 μ F, \pm 20%, 25V C402 24353241 CD, 240pF C403 24797339 EL. 3.3 μ F, \pm 20%, 50V C405 24590183 PF, 0.018 μ F C406 24590183 PF, 0.018 μ F C407 24590273 PF, 0.018 μ F C408 24794221 EL. 220 μ F, \pm 20%, 16V C409 24232103 CD, 0.01 μ F, \pm 80%, \pm 20% C409 C409 C409 C409 C409 C409 C409 C409	C308	24693473	
C313	C310		
C314 24591563 PF, 0.056μ F C315 24590104 PF, 0.1μ F C316 24538474 PF, 0.47μ F C317 24617926 EL. 220μ F, $\pm 20\%$, 16V C318 24668221 EL, 220μ F, $\pm 20\%$, 35V C319 24212102 CD. 1000ρ F, $\pm 10\%$ C321 24591183 PF, 0.018μ F C322 24617912 EL. 2.2μ F, $\pm 10\%$, 50V C323 24538224 PF, 0.22μ F C324 24590683 PF, 0.08μ F C325 24232103 CD, 0.01μ F, $\pm 80\%$, $\pm 20\%$ C326 24538474 PF, 0.47μ F C378 24590104 PF, 0.1μ F C401 24617920 EL. 120μ F, $\pm 20\%$, 25V C402 24353241 CD, 240ρ F C403 24797339 EL. 3.3μ F, $\pm 20\%$, 50V C405 24590183 PF, 0.018μ F C406 24590183 PF, 0.018μ F C407 24590273 PF, 0.018μ F C408 24794221 EL. 220μ F, $\pm 20\%$, 16V C409 24232103 CD, 0.01μ F, $\pm 80\%$, $\pm 20\%$	C311	24214151	CD, 150pF, ±10%, 500V
C315	C313	24082057	PF, 0.22μF, 100V
C316 24538474 PF, 0.47μ F C317 24617926 EL. 220μ F, $\pm 20\%$, 16V C318 24668221 EL, 220μ F, $\pm 20\%$, 35V C319 24212102 CD. 1000 pF, $\pm 10\%$ C321 24591183 PF, 0.018μ F C322 24617912 EL. 2.2μ F, $\pm 10\%$, 50V C323 24538224 PF, 0.22μ F C324 24590683 PF, 0.068μ F C325 24232103 CD, 0.01μ F, $\pm 80\%$, $\pm 20\%$ C378 24590104 PF, 0.1μ F C401 24617920 EL. 120μ F, $\pm 20\%$, 25V C402 24353241 CD, 240 pF C403 24797339 EL. 3.3μ F, $\pm 20\%$, 50V C405 24590183 PF, 0.018μ F C406 24590183 PF, 0.018μ F C407 24590273 PF, 0.018μ F C408 24794221 EL. 220μ F, $\pm 20\%$, 16V C409 24232103 CD, 0.01μ F, $\pm 80\%$, $\pm 20\%$	C314		
C317 24617926 EL. $220\mu F$, $\pm 20\%$, $16V$ C318 24668221 EL, $220\mu F$, $\pm 20\%$, $35V$ C319 24212102 CD. $1000pF$, $\pm 10\%$ C321 24591183 PF, $0.018\mu F$ C322 24617912 EL. $2.2\mu F$, $\pm 10\%$, $50V$ C323 24538224 PF, $0.22\mu F$ C324 24590683 PF, $0.068\mu F$ C325 24232103 CD, $0.01\mu F$, $\pm 80\%$, $\pm 20\%$ C378 24590104 PF, $0.1\mu F$ C378 24590104 PF, $0.1\mu F$ C401 24617920 EL. $120\mu F$, $\pm 20\%$, $25V$ C402 24353241 CD, $240pF$ C403 24797339 EL. $3.3\mu F$, $\pm 20\%$, $50V$ C405 24590183 PF, $0.018\mu F$ C406 24590183 PF, $0.018\mu F$ C407 24590273 PF, $0.0127\mu F$ C408 24794221 EL. $220\mu F$, $\pm 20\%$, $16V$ C409 24232103 CD, $0.01\mu F$, $\pm 80\%$, $\pm 20\%$ C410 24082261 PF, $5600pF$, $100V$	C315	24590104	
C318	C316	24538474	
C319 24212102 CD. 1000pF, ±10% C321 24591183 PF, 0.018μF C322 24617912 EL. 2.2μF, ±10%, 50V C323 24538224 PF, 0.22μF C324 24590683 PF, 0.068μF C325 24232103 CD, 0.01μF, +80%, -20% C326 24538474 PF, 0.47μF C378 24590104 PF, 0.1μF C401 24617920 EL. 120μF, ±20%, 25V C402 24353241 CD, 240pF C403 24797339 EL. 3.3μF, ±20%, 50V C405 24590183 PF, 0.018μF C406 24590183 PF, 0.018μF C407 24590273 PF, 0.027μF C408 24794221 EL. 220μF, ±20%, 16V C409 24232103 CD, 0.01μF, +80%, -20% C410 24082261 PF, 5600pF, 100V		24617926	
C321 24591183 PF, 0.018μF C322 24617912 EL. 2.2μF, ±10%, 50V C323 24538224 PF, 0.22μF C324 24590683 PF, 0.068μF C325 24232103 CD, 0.01μF, +80%, -20% C326 24538474 PF, 0.47μF C378 24590104 PF, 0.1μF C401 24617920 EL. 120μF, ±20%, 25V C402 24353241 CD, 240μF C403 24797339 EL. 3.3μF, ±20%, 50V C405 24590183 PF, 0.018μF C406 24590183 PF, 0.018μF C407 24590273 PF, 0.018μF C407 24590273 PF, 0.027μF C408 24794221 EL. 220μF, ±20%, 16V C409 24232103 CD, 0.01μF, +80%, -20% C410 24082261 PF, 5600μF, 100V			
C322 24617912 EL. 2.2μF, ±10%, 50V C323 24538224 PF, 0.22μF C324 24590683 PF, 0.068μF C325 24232103 CD, 0.01μF, +80%, -20% C326 24538474 PF, 0.47μF C378 24590104 PF, 0.1μF C401 24617920 EL. 120μF, ±20%, 25V C402 24353241 CD, 240μF C403 24797339 EL. 3.3μF, ±20%, 50V C405 24590183 PF, 0.018μF C406 24590183 PF, 0.018μF C407 24590273 PF, 0.027μF C408 24794221 EL. 220μF, ±20%, 16V C409 24232103 CD, 0.01μF, +80%, -20% C410 24082261 PF, 5600μF, 100V			
C323 24538224 PF, 0.22μ F C324 24590683 PF, 0.068μ F C325 24232103 CD, 0.01μ F, $+80\%$, -20% C326 24538474 PF, 0.47μ F C378 24590104 PF, 0.1μ F C401 24617920 EL. 120μ F, $\pm 20\%$, 25V C402 24353241 CD, 240pF C403 24797339 EL. 3.3μ F, $\pm 20\%$, 50V C405 24590183 PF, 0.018μ F C406 24590183 PF, 0.018μ F C407 24590273 PF, 0.027μ F C408 24794221 EL. 220μ F, $\pm 20\%$, 16V C409 24232103 CD, 0.01μ F, $\pm 80\%$, -20% C410 24082261 PF, 5600pF, 100V			
C324 24590683 PF, 0.068μ F C325 24232103 CD, 0.01μ F, $+80\%$, -20% C326 24538474 PF, 0.47μ F C378 24590104 PF, 0.1μ F C401 24617920 EL. 120μ F, $\pm 20\%$, 25V C402 24353241 CD, 240pF C403 24797339 EL. 3.3μ F, $\pm 20\%$, 50V C405 24590183 PF, 0.018μ F C406 24590183 PF, 0.018μ F C407 24590273 PF, 0.027μ F C408 24794221 EL. 220μ F, $\pm 20\%$, 16V C409 24232103 CD, 0.01μ F, $\pm 80\%$, -20% C410 24082261 PF, 5600pF, 100V			
C325 24232103 CD, $0.01\mu\text{F}$, $+80\%$, -20% C326 24538474 PF, $0.47\mu\text{F}$ C378 24590104 PF, $0.1\mu\text{F}$ C401 24617920 EL. $120\mu\text{F}$, $\pm20\%$, 25V C402 24353241 CD, 240pF C403 24797339 EL. $3.3\mu\text{F}$, $\pm20\%$, 50V C405 24590183 PF, $0.018\mu\text{F}$ C406 24590183 PF, $0.018\mu\text{F}$ C407 24590273 PF, $0.027\mu\text{F}$ C408 24794221 EL. $220\mu\text{F}$, $\pm20\%$, 16V C409 24232103 CD, $0.01\mu\text{F}$, $\pm80\%$, -20% C410 24082261 PF, 5600pF, 100V			
C326 24538474 PF, 0.47μ F C378 24590104 PF, 0.1μ F C401 24617920 EL. 120μ F, $\pm 20\%$, 25V C402 24353241 CD, 240pF C403 24797339 EL. 3.3μ F, $\pm 20\%$, 50V C405 24590183 PF, 0.018μ F C406 24590183 PF, 0.018μ F C407 24590273 PF, 0.027μ F C408 24794221 EL. 220μ F, $\pm 20\%$, 16V C409 24232103 CD, 0.01μ F, $\pm 80\%$, -20% C410 24082261 PF, 5600pF, 100V			
C378 24590104 PF, 0.1μ F C401 24617920 EL. 120μ F, $\pm 20\%$, 25V C402 24353241 CD, 240pF C403 24797339 EL. 3.3μ F, $\pm 20\%$, 50V C405 24590183 PF, 0.018μ F C406 24590183 PF, 0.018μ F C407 24590273 PF, 0.027μ F C408 24794221 EL. 220μ F, $\pm 20\%$, 16V C409 24232103 CD, 0.01μ F, $\pm 80\%$, -20% C410 24082261 PF, 5600pF, 100V			
C401 24617920 EL. $120\mu F$, $\pm 20\%$, $25V$ C402 24353241 CD, $240pF$ C403 24797339 EL. $3.3\mu F$, $\pm 20\%$, $50V$ C405 24590183 PF, $0.018\mu F$ C406 24590183 PF, $0.018\mu F$ C407 24590273 PF, $0.027\mu F$ C408 24794221 EL. $220\mu F$, $\pm 20\%$, $16V$ C409 24232103 CD, $0.01\mu F$, $\pm 80\%$, -20% C410 24082261 PF, $5600pF$, $100V$, ,
C402 24353241 CD, 240pF C403 24797339 EL. 3.3μ F, $\pm 20\%$, $50V$ C405 24590183 PF, 0.018μ F C406 24590183 PF, 0.018μ F C407 24590273 PF, 0.027μ F C408 24794221 EL. 220μ F, $\pm 20\%$, $16V$ C409 24232103 CD, 0.01μ F, $\pm 80\%$, -20% C410 24082261 PF, $5600p$ F, $100V$			
C403 24797339 EL. 3.3μ F, $\pm 20\%$, $50V$ C405 24590183 PF, 0.018μ F C406 24590183 PF, 0.018μ F C407 24590273 PF, 0.027μ F C408 24794221 EL. 220μ F, $\pm 20\%$, $16V$ C409 24232103 CD, 0.01μ F, $\pm 80\%$, -20% C410 24082261 PF, 5600 pF, $100V$			
C405 24590183 PF, 0.018μF C406 24590183 PF, 0.018μF C407 24590273 PF, 0.027μF C408 24794221 EL. 220μF, ±20%, 16V C409 24232103 CD, 0.01μF, +80%, -20% C410 24082261 PF, 5600pF, 100V			
C406 24590183 PF, 0.018μF C407 24590273 PF, 0.027μF C408 24794221 EL. 220μF, ±20%, 16V C409 24232103 CD, 0.01μF, +80%, -20% C410 24082261 PF, 5600pF, 100V			
C407 24590273 PF, 0.027μF C408 24794221 EL. 220μF, ±20%, 16V C409 24232103 CD, 0.01μF, +80%, -20% C410 24082261 PF, 5600pF, 100V			
C408 24794221 EL. 220μF, ±20%, 16V C409 24232103 CD, 0.01μF, ±80%, -20% C410 24082261 PF, 5600pF, 100V			
C409 24232103 CD, 0.01µF, +80%, -20% C410 24082261 PF, 5600pF, 100V			
C410 24082261 PF, 5600pF, 100V			
C410 24082261 FF, 5600PF, 100V C411 24435330 CD, 33pF, 500V			
		24435330	CD, 33pF, 500V

Location No.	Part No.	Description
C412	24590182	PF, 1800pF
C412		CD, 390pF, ±10%, 500V
C413	24212471	-
C414	24709100	EL, 10µF, ±20%, 200V
C417		CD, 820pF, ±10%, 500V
C421	24095755	
C422	24829473	
△ C423	24095755	PF, 0.47μF, 200V
C430	24538474	PF, 0.47μF
△ C440	24082349	PF, 7000pF, ±3%, 1500V
C441		CD, 220pF, ±10%, 500V
C443	24214221	CD, 220pF, ±10%, 500V
C444	24082287	
C445	24095903	
C446		PF, 0.01μF, ±3%, 630V
C447		EL, 4.7μF, ±20%, 250V
C448	24640962	EL, 33µF, ±20%, 200V
C449		EL, 1000µF, ±20%, 25V
C450		EL, 470μF, ±20%, 16V CD, 2200pF, ±10%
△ C463	24212222	PF, 1.5μF, 200V
C464	24002727	PF, 0.33μF, 200V
C466 C470		EL, 22μF, ±20%, 16V
C470	24538474	
C501		EL, 330μF, ±20%, 16V
C502	24474181	
C503	24436181	CD, 180pF
C504	24353150	
C505	24590273	
C507	24590103	PF, 0.01μF
C508	24085944	EL, 2.2μF, ±20%, 50V,
		Non-Poar
C509	24353330	•
C510	24232103	
C511	24232103	
C512	24353200	
C513	24232103	
C515	24797220	
C516	24590104	PF, 0.1μF PF, 0.1μF
C517	24232103	
C518	24797478	EL, 0.47μF, ±20%, 50V
C520 C521	24206478	
C521	24206478	EL, 0.47 µF, 50V
C522	24206478	
C524	24797100	EL, 10μF, ±20%, 50V
C525	24436820	· · · · · · · · · · · · · · · · · · ·
C526	24436820	CD, 82pF
C527	24436820	CD, 82pF
C529	24353300	CD, 30pF
C531	24794100	EL, 10μF, ±20%, 16V
C532	24436391	The state of the s
C533	24436121	CD, 120pF (2836DF)
C534	24436101	CD, 100pF (2836DF)
C535	24797100	EL, 10μF, ±20%, 50V EL, 0.47μF, ±20%, 50V
C536	24797478	
C537 C540	24794471 24436221	CD, 220pF (2836DF)
C540 C540	24436331	CD, 330pF (2536DF)
C540 C541	24436221	
C541	24436331	CD, 330pF (2536DF)
C542	24436221	CD, 220pF (2836DF)
C542	24436301	CD, 300pF (2536DF)
C626	24797470	EL, 47μF, ±20%, 50V
L		

Location No.	Part No.	Description
C627	24590104	PF, 0.1μF
C631	24232103	CD, 0.01μF, +80%, -20%
C632	24590473	PF, 0.047μF
C633	24538124	PF, 0.12μF
C634	24538124	PF, 0.12μF
C635		PF, 8200pF
C636	24797229	
C637		EL, 47μF, ±20%, 25V
C638	24667470	
C639	24796101 24590822	EL, 100μF, ±20%, 35V PF, 8200pF
C640 C641	24590822 24795470	•
C641 C642	24/954/0 24797229	
C642 C643	24797229 24797478	
C644	24/9/4/8	
C644 C646	24667102	
C660	24797478	EL, 0.47μF, ±20%, 50V
C661	24794100	EL, 10μF, ±20%, 16V
C665	24590104	PF, 0.1μF
C666	24590473	PF, 0.047μF
C668	24793221	EL, 220µF, ±20%, 10V
C669	24797100	
C670	24797339	
C671	24797339	
C674	24590562	•
C677	24590562 24794102	•
C681 △ C801	24794102 24082318	
△ C801 △ C802	24082318 24094656	
∆ C802 ∆ C803	24094656	
∆ C804	24094656	· · · · · · · · · · · · · · · · · · ·
C807	24092281	CD, 4700pF, ±20%, AC250V
C808	24092281	CD, 4700pF, ±20%, AC250V
C809	24086037	EL, 270µF, ±20%, 400V
C810	24667331	EL, 330μF, ±20%, 25V
C811	24214471	
C812	24676220	
C813	24590222	•
C814 C815	24214471 24095931	• • •
C815 C816	24095931 24795470	
C816	24/954/0	•
C817	24092341	
C819	24797470	EL, 47μF, ±20%, 50V
C820	24794470	EL, 47μF, ±20%, 16V
C827	24794471	EL, 470μF, ±20%, 16V
C828	24212101	• •
C829	24796222	EL, 2200μF, ±20%, 35V
C830	24092337	•
C831	24086953	EL, 220μF, ±20%, 160V
C833	24797100	EL, 10μF, ±20%, 50V
C835	24797479	EL, 4.7µF, ±20%, 50V
C836 C837	24797100 24797100	EL, 10μF, ±20%, 50V EL, 10μF, ±20%, 50V
C837	24/9/100	CD, 470pF, ±10%, 500V
C840 C846	24214471	CD, 470pF, ±10%, 500√ PF, 0.1μF
C849	24214471	CD, 470pF, ±10%, 500V
C901	24700100	EL, 10μF, ±20%, 250V
C902	24095923	PF, 4700pF, 1250V
CA01	24474101	CD, 100pF, ±10%
CA02	24474101	CD, 100pF, ±10%
CA03	24474101	CD, 100pF, ±10%
CA10	24212102	CD, 1000pF, ±10%
CA11	24212102	CD, 1000pF, ±10%
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Location	D (N-	Description
No.	Part No.	Description
CA12	24794102	EL, 1000µF, ±20%, 16V
CA13	24794100	EL, 10μF, ±20%, 16V
CA15	24590104	PF, 0.1μF
CA16	24797100	
CA21	24232103	CD, 0.01µF, +80%, -20%
CA22	24797010	
CA29	24232103	
CA31	24473300	· · · · · · · · · · · · · · · · · · ·
CA32	24473300	· · ·
CA33	24212102	• •
CA36		PF, 0.1μF
CA90	24538474	
CA91	24212102	CD, 1000pF, ±10%
CA92		PF, 0.1μF
CB01	24474101	, , ,
CB09	24794330 24797010	
CB10	24/9/010	• • •
CB11		CD, 180pF CD, 560pF, ±10%
CB12 CB13	24212301	
CD01	24212472	• •
CD11	24676339	
CF02	24070339	
CF02		CD, 0.01µF, +80%, -20%
CF05	24212102	
CF06	24353150	
CF07		CD, 0.01μF, +80%, -20%
CF08	24590104	
CF09	24085944	EL, 2.2μF, ±20%, 50V,
		Non-Poar
CF10	24794330	EL, 33μF, ±20%, 16V
CF11	24232103	CD, 0.01μF, +80%, -20%
CF16	24353080	CD, 8pF, ±0.25pF
CF17	24797100	EL, 10µF, ±20%, 50V
CF18	24590104	PF, 0.1 <i>μ</i> F
CF19	24794101	
CF20	24473220	• •
CM01	24436221	•
CM02	24436221	
CM03		CD, 18pF
CM04	24340180	
CM05	24232103	CD, 0.01µF, +80%, -20%
CM06	24357270 24590563	CD, 27pF PF, 0.056µF
CM07 CM08	24590563	CD, 0.01μF, +80%, -20%
CM09	24232103	CD, 0.01μF, +80%, -20%
CM10	24473270	CD, 27pF
CM12	24590104	PF, 0.1μF
CN01	24436270	CD, 27pF
CN02	24436270	CD, 27pF
CN03	24436101	CD, 100pF
CN04	24436101	CD, 100pF
CN06	24232103	CD, 0.01µF, +80%, -20%
CN11	24232103	CD, 0.01μF, +80%, -20%
CN12	24436271	CD, 270pF
CN13	24436820	CD, 82pF
CN14	24212102	CD, 1000pF, ±10%
CN16	24590273	PF, 0.027μF
CN17	24232103	CD, 0.01μF, +80%, -20%
CV01	24797100	EL, 10μF, ±20%, 50V
CV02	24206010	EL, 1μF, 50V
CV03	24797100	EL, 10µF, ±20%, 50V
CV04	24206010	EL, 1μF, 50V
CV05	24232103	CD, 0.01μF, +80%, -20%

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Location No.	Part No.	Description
INU.		
CV06	24797100	EL, 10μF, ±20%, 50V
CV07	24797010	EL, 1μF, ±20%, 50V
CV08	24797010	EL, 1μF, ±20%, 50V
CV09	24232103	CD, 0.01μF, +80%, -20%
CV10	24797100	EL, 10μF, ±20%, 50V
CV11	24797100	EL, 10µF, ±20%, 50V
CV12	24797100	EL, 10µF, ±20%, 50V
CV14 CV15	24232103 24797100	CD, 0.01µF, +80%, -20% EL, 10µF, ±20%, 50V
CV16	24797100	EL, 10μF, ±20%, 50V EL, 10μF, ±20%, 50V
CV17	24797100	EL, 10μF, ±20%, 50V
CV18	24797220	EL, 22µF, ±20%, 50V
CV19	24232103	CD, 0.01μF, +80%, -20%
CV20	24212271	CD, 270pF, ±10%
CV21	24212271	CD, 270pF, ±10%
CV23	24793471	EL, 470µF, ±20%, 10V
CV24	24212271	CD, 270pF, ±10%
CV25	24212271	CD, 270pF, ±10%
CV26	24212271	CD, 270pF, ±10%
CV27	24212271	CD, 270pF, ±10%
CV31	24793471	EL, 470μF, ±20%, 10V
CV32	24797101	EL, 100µF, ±20%, 50V
CV34 CV36	24797100 24797100	EL, 10μF, ±20%, 50V EL, 10μF, ±20%, 50V
CV36 CV41	24797100	CD, 0.01μF, +80%, -20%
CV41	24794331	EL, 330µF, ±20%, 16V
CV72	24794100	EL, 10µF, ±20%, 16V
CV73	24794100	EL, 10µF, ±20%, 16V
CW01	24797100	EL, 10μF, ±20%, 50V
CW02	24232103	CD, 0.01μF, +80%, -20%
CW05	24232103	CD, 0.01μF, +80%, -20%
CX02	24797478	EL, 0.47μF, ±20%, 50V
CX03	24797478	EL, 0.47μF, ±20%, 50V
CX04	24797478	EL, 0.47μF, ±20%, 50V
CX05	24206010	EL, 1μF, 50V
CX06	24206010	EL, 1μF, 50V
CX07	24206010	EL, 1μF, 50V
CX08 CX09	24797100 24797010	EL, 10μF, ±20%, 50V
CX10	24797010	EL, 1μF, ±20%, 50V EL, 1μF, ±20%, 50V
CX10 CX11	24797010	EL, 1µF, ±20%, 50V EL, 1µF, ±20%, 50V
•///	24,07010	EL, IMI, 120/0, 30V
RESISTORS		
R151	24366471	CF, 470 ohm
R152	24366103	CF, 10k ohm
R153	24366152	
R154	24366122	. '
R155	24366151	CF, 150 ohm
R156	24366101	CF, 100 ohm
R157	24366102	- ,
R158	24366103	
R159	24366473	
R160	24366101	CF, 100 ohm
R161	24366474	•
R162 R163	24366224 24366222	CF, 220k ohm CF, 2200 ohm
R164	24366222	
R165	24366152	
R166	24366332	CF, 3300 ohm
R197	24366473	CF, 47k ohm
R198	24366224	-
R199	24366105	· · · · · · · · · · · · · · · · · · ·
R208	24366152	CF, 1500 ohm
R211	24366102	CF, 1k ohm

		
Location	Part No.	Description
No.		· · · · · · · · · · · · · · · · ·
R212	24366103	CF, 10k ohm
R212		CF, 10k ohm CF, 10k ohm
R213		CF, 1800 ohm
		CF, 1500 ohm
R215		
R216	24300333	CF, 33k ohm CF, 100 ohm
R217		
R218	243664/2	CF, 4700 ohm
R219	24366472	CF, 4700 ohm CF, 47k ohm
R220		
R221		CF, 47k ohm
R222		CF, 47k ohm
R223		CF, 4700 ohm
R224	24366682	CF, 6800 ohm CF, 1800 ohm
R228		
R231		CF, 1k ohm
R233	24366152	CF, 1500 ohm CF, 560 ohm (2836DF)
R237	24366561	CF, 560 ohm (2836DF)
R237	24366681	CF, 680 ohm (2536DF)
R242	24366183	CF, 18k ohm
R243	24366103	CF, 10k ohm
R244		CF, 20k ohm
R245		CF, 6200 ohm
R246		CF, 10k ohm
R247		
R252	24066597	CF, 100 ohm VR, 1k ohm, 1/10W
R253	24066597	VR, 1k ohm, 1/10W
R255		VR, 20k ohm, 1/10W
R260		CF, 33k ohm
R261		CF, 15k ohm
R262		CF, 15k ohm
		CF, 15k ohm
R266		CF, 15k ohm
R267		
R268		CF, 180k ohm
R269		CF, 100 ohm
R270		CF, 8200 ohm
R281		CF, 100k ohm
R282		CF, 220 ohm
R283		CF, 390 ohm
R285		CF, 47k ohm
R286		CF, 47k ohm
R287		CF, 22k ohm
R289		CF, 47k ohm
R290		CF, 10k ohm
R301	24366221	-
R302	24366274	•
R303	24366563	
R303	24366393	•
R304	24366243	
R304	24366683	CF, 68k ohm (2536DF)
R305	24366151	•
R306	24366473	CF, 47k ohm (2836DF)
R306	24366823	CF, 82k ohm (2536DF)
R307	24366624	CF, 620k ohm (2836DF)
R307	24366304	•
R308	24366102	CF, 1k ohm
R309	24383511	
R309	24383561	
R311	24366473	
R312	24366204	
R313	24366104	
R314	24366105	•
R315	24366155	· ·
R316		CF, 150k ohm
R317		CF, 10k ohm
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Location No.	Part No.	Description
R318	24366101	
R319	24366101	CF, 100 ohm
R320		CF, 100 ohm
R321		CF, 1k ohm
R322	24321159	MF, 1.5 ohm, 1/2W
R323		MF, 0.68 ohm, 1W
⚠ R327		MF, 5.6 ohm, 2W
R329		CF, 22k ohm
R334		OMF, 560 ohm, 2W
R336	24383331	OMF, 330 ohm, 2W
R340		OMF, 270 ohm, 1W
R342		CF, 10k ohm
R343	24366103	CF, 10k ohm
R344		CF, 3900 ohm
R345		CF, 10k ohm
R346		CF, 10k ohm
R402		CF, 27k ohm
R403		CF, 2700 ohm
R404	24552472	OMF, 4700 ohm, 1/2W
R405		CF, 430 ohm
R406	24366221	CF, 220 ohm
R407		CF, 130 ohm
R408		CF, 5600 ohm
R409	24366204	CF, 200k ohm OMF, 4700 ohm, 1/2W
R410		
R411	24366561	CF, 560 ohm
R413	24366151	CF, 150 ohm OMF, 2700 ohm, 1W
R415		
R416		Cement, 5600 ohm, 5W
R421		CF, 100k ohm
R430	24366272	
R431	24366102	CF, 1k ohm
R432	24366473	CF, 47k ohm
R433	24366333	
R434	24366123 24366103	CF, 12k ohm
R440	24366103	CF, 10k ohm
R441		CF, 10k ohm
R442		OMF, 1k ohm, 1W
R444	24322398	
△ R446	24533151	FR, 150 ohm, 2W
△ R448	24338338	MF, 0.33 ohm, 1W
R452	24069547	VR, 5k ohm, 0.08W, CC
R470	24322568	
R471	24366101	CF, 100 ohm
R472	24376393	
R474	24366331	CF, 330 ohm
R475	24366102	•
R477	24366153	•
R501	24366561	CF, 560 ohm
R502		CF, 330k ohm
R504		CF, 390 ohm
R507	24366822	CF, 8200 ohm
R508	24366561	CF, 560 ohm
R509	24366203	CF, 20k ohm
R511	24366202	CF, 2k ohm
R512	24366182	CF, 1800 ohm
R513	24366122	CF, 1200 ohm
R514	24366562	CF, 5600 ohm
R515	24366221	CF, 220 ohm
R516	24366221	CF, 220 ohm
R517	24366221	CF, 220 ohm
R518	24366475	CF, 4.7M ohm
R520	24366102	CF, 1k ohm
R522	24366185	CF, 1.8M ohm

Location	Part No.	Description
No.	raitinu.	Dogoriphon
R523	24366333	CF, 3300 ohm
R533		CF, 1600 ohm
R534		CF, 100 ohm
R535	24366471	CF 470 ohm (2836DF)
R535	24366561	CF, 470 ohm (2836DF) CF, 560 ohm (2536DF)
R536		CF, 10k ohm
R537		
R538	24366471	CF, 1600 ohm CF, 470 ohm (2836DF)
R538		CF, 560 ohm (2536DF)
R539		CF, 1600 ohm
R541		CF, 820 ohm
R542		CF, 200 ohm
R543		CF, 10k ohm
R544	24366101	CF, 100 ohm
R547		CF, 1k ohm
R548	24366102	CF, 1k ohm
R549	24366102	CF, 1k ohm
R551	24066955	VR, 1k ohm, 1/10W
R557	24066600	VR, 10k ohm, 1/10W
R558		VR, 10k ohm, 1/10W
R559	24066600	VR, 10k ohm, 1/10W
R565	24366101	CF, 100 ohm
R566	24366560	CF, 56 ohm (2836DF) CF, 100 ohm (2536DF)
R566	24366101	CF, 100 ohm (2536DF)
R567	24366560	CF, 56 ohrn (2836DF)
R567	24366101	CF, 100 ohm (2536DF) CF, 1k ohm
R568	24366102	CF, 1k ohm
R570	24366272	CF, 2700 ohm
R571	24366272	CF, 2700 ohm
R572		CF, 2700 ohm
R580	24366391	CF, 390 ohm (2836DF) CF, 360 ohm (2536DF)
R580	24366361	CF, 360 ohm (2536DF)
R581		CF, 330 ohm
R591		OMF, 15k ohm, 2W
R592		OMF, 15k ohm, 2W
R593	24383153	OMF, 15k ohm, 2W
R619	24366472	
R623		CF, 4700 ohm
R626		CF, 18k ohm
R627		CF, 20k ohm
R630		CF, 4700 ohm
R631	24366273	
R632	24366203	
R633	24366229	
R634	24366229	•
R635	24366512	-
R636	24366512	•
R637	24366183	
R638	24366183	•
R639	24366273	*
R641	24366103	- · · · - · - · · - · · · · · · · · · ·
R642	24366101	·
R660	24366183	· ·
R661	24366183	- •
R662	24366103	•
R665	24366103	CF, 10k ohm
R666	24366103	· .
R667	24366103	CF, 10k ohm
R668	24366103	CF, 10k ohm
R669	24366912	· · · · · · · · · · · · · · · · · · ·
R670	24366562	CF, 5600 ohm
R671	24366153	•
R673	24366362	·
R674	24366102	CF, 1k ohm

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Location	Part No.	Description
No.	i dit ivo.	Description
Deze	24266200	CE 3600 ab-
R675		CF, 3600 ohm
R676		CF, 20k ohm CF, 18k ohm
R677	24300183	CF, 18k onm CF, 5600 ohm
R681	24300002	CF, 5600 ONM
R682		CF, 20k ohm
R683		CF, 4700 ohm
R684		FR, 10 ohm, 1/2W
R687	24300103	CF, 10k ohm CF, 100k ohm
R688		
R689 ∆ R801		CF, 10k ohm
212 NOV 1	24004914	Metal-Glazed Resistor, 5.6M ohm, 1/2W
R803	24383883	OMF, 68k ohm, 1W
R805	24362003	CF, 100 ohm
R810	24366122	CF, 1200 ohm
R812		OMF, 10k ohm, 1/2W
R813	24366272	CF, 2700 ohm
R815		OMF, 1k ohm, 1/2W
R816		OMF, 18 ohm, 1W
R817	24322778	MF, 0.27 ohm, 1W
R818		MF, 8.2 ohm, 1/2W
R819		CF, 4700 ohm
R820	24366101	CF, 100 ohm
R825		CF, 4700 ohm
R832	24321228	MF, 0.22 ohm, 1/2W
R833	24005007	Metal-Glazed Resistor,
11000	24000007	8.2M ohm, 1W
R842	24366681	CF, 680 ohm
R843		CF, 820 ohm
R848	24552332	OME 3300 ohm 1/2W/
R860	24366681	OMF, 3300 ohm, 1/2W CF, 680 ohm
R863		CF, 1k ohm
R865		CF, 680 ohm
R866	24366471	CF, 470 ohm
R867		
R868	24366472	CF, 10k ohm CF, 4700 ohm
R870	24383183	OMF, 18k ohm, 2W
R872		Cement, 3.3 ohm, 10W
△R878		FR, 56 ohm, 1/2W
R879		CF, 4700 ohm
△R884	24531120	FR 12 ohm 1/2W
⚠ R890	24000875	FR, 12 ohm, 1/2W PTC Thermistor, 18 ohm,
	3000, 0	±20%, 290V
R893	24366103	CF, 10k ohm
R901	24552272	·
R902	24552272	
R903		OMF, 2700 ohm, 1/2W
△ R920		FR, 1.5 ohm, 2W
RA01	24366223	
RA02	24366103	•
RA03	24366103	
RA04	24366103	
RA05	24366103	
RA06	24366103	•
RA07		CF, 2200 ohm
RA10		CF, 47k ohm
RA11	24366102	
RA12	24366103	-
RA13		CF, 10k ohm
RA16	24366101	CF, 100 ohm
RA18	24366101	
RA19		CF, 1k ohm
RA20		CF, 330 ohm
RA21		CF, 330 ohm
		•

Location		
No.	Part No.	Description
	24266102	CE 10k ohm
RA22 RA23	24366103 24366473	CF, 10k ohm CF, 47k ohm
RA24	24366162	CF, 1600 ohm
RA25	24366162	CF, 1600 ohm
RA26	24366162	CF, 1600 ohm
RA27	24366223	CF, 22k ohm CF, 22k ohm
RA28		
RA29		CF, 5600 ohm
RA32	24366223	CF, 22k ohm CF, 10k ohm
RA33		
RA34 RA35	24300223 24366102	CF, 22k ohm CF, 1k ohm
RA36		CF, 22k ohm
RA40		CF, 22k ohm
RA41	24366223	CF, 22k ohm
RA42	24366472	CF, 4700 ohm
RA43	24366103	CF, 10k ohm CF, 100 ohm
RA44		
RA45		CF, 1k ohm
RA46	24366102	CF, 1k ohm CF, 10k ohm
RA47 RA60		CF, 3900 ohm
RA61	24366102	CF, 1k ohm
RA62		CF, 10k ohm
RA63		CF, 10k ohm
RA66	24366102	CF, 1k ohm
RA67		CF, 15k ohm
RA68		CF, 47k ohm
RA69		CF, 22k ohm
RA79		CF, 15k ohm CF, 10k ohm
RA81 RA84		CF, 3900 ohm
RA85		CF, 3900 ohm
RA86		CF, 4700 ohm
RA87	24366472	CF, 4700 ohm
RA90		CF, 390 ohm
RA92	-	CF, 1k ohm
RA94		CF, 3900 ohm
RA95		CF, 3900 ohm CF, 3300 ohm
RA97 RA98		CF, 6800 ohm
RA99		CF, 20k ohm
RB01		CF, 10k ohm
RB02		CF, 3300 ohm
RB03	•	CF, 10k ohm
RB04		CF, 10k ohm
RB05	24366332	•
RB06		CF, 33k ohm
RB10 RB11	24366471	CF, 1800 ohm CF, 470 ohm
RB12		CF, 470 olim CF, 33k ohm
RB13		CF, 560k ohm
RB14		CF, 12k ohm
RB15	24366392	CF, 3900 ohm
RB16	24366392	
RB19	24366223	
△ RD01		FR, 15 ohm, 1/2W
RD02 RD03	24323229	OMF, 2.2 ohm, 2W CF, 5600 ohm
RD03		OMF, 1k ohm, 1/2W
RD05	24552332	
RD06		CF, 2400 ohm
RD07	24366273	CF, 27k ohm
RD08	24366114	CF, 110k ohm
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Location	D N-	Description 1
No.	Part No.	Description
<u> </u>		
RD09	24366153	
RD10	24366153	CF, 15k ohm
RF01	24366332	CF, 3300 ohm
RF03	24366100	CF, 10 ohm
RF04	24366273	CF 27k ohm
RF05	24366472	CF, 27k ohm CF, 4700 ohm
RF06	24366103	CF, 10k ohm
RF07	24366103	CE 10k ohm
RF08	24366101	CF, 10k ohm CF, 100 ohm
RF09	24266102	CF, 100 onm CF, 1k ohm
RF12		CF, 10k ohm
RF12		CF, 10k onm CF, 100 ohm
RF14		
RF15	24300101	CF, 100 ohm CF, 3900 ohm
1	24300002	CF, 3900 onm CF, 10k ohm
RF16		
RF17	243000002	CF, 3300 ohm CF, 6800 ohm
RF18	24300002	CF, 6800 onm
RF19	24300101	CF, 100 ohm
RF20	243bb (UZ	CF, 1k ohm CF, 1k ohm
RF21	24366102	CF, 1k ohm
RF22	24366101	CF, 100 ohm
RF23	24366102	CF, 1k ohm
RM03		CF, 1800 ohm
RM04	24366242	CF, 2400 ohm
RM26	24366153	CF, 15k ohm
RN01		CF, 100 ohm
RN02	24366152	CF, 1500 ohm CF, 30k ohm
RN04		
RN05	24366221	CF, 220 ohm
RN06	24366471	CF, 470 ohm CF, 15k ohm
RN07		
RN08		CF, 1.8M ohm
RN09	24366104	CF, 100k ohm
RN10	24366153	CF, 15k ohm
RN11	24366103	CF, 10k ohm
RN12	24366122	CF, 1200 ohm
RN13		CF, 10k ohm
RN15		CF, 47k ohm
RN16		CF, 47k ohm
RN18		CF, 47k ohm
RN19		CF, 4.7M ohm
RN20		CF, 10k ohm
RN21		CF, 47k ohm
RN22	24366473	
RN24	24366332	-
RN25	24366105	
RN26	24366103	· · · · · · · · · · · · · · · · · · ·
RN27	24366473	CF, 47k ohm
RN28	24366473	CF, 47k onm CF, 47k ohm
RN29	24366473	•
1	24366473	CF, 47k ohm CF, 47k ohm
RN30		
RN34	24366104	CF, 100k ohm CF, 680 ohm
RN35	24366681	CF, 680 ohm
RV01	24366101	CF, 100 ohm CF, 1k ohm
RV02	24366102	
RV03	24366472	CF, 4700 ohm
RV04	24366472	CF, 4700 ohm
RV05	24366101	CF, 100 ohm
RV06	24366102	
RV07	24366101	CF, 100 ohm
RV08	24366102	
RV10	24366101	CF, 100 ohm
RV11	24366472	•
RV12	24366472	CF, 4700 ohm
1		

Location	Part No.	Description
No.	i ait ivo.	Description
		05 400 1
RV13		CF, 100 ohm
RV16		CF, 100k ohm
RV17		CF, 22k ohm
RV18		CF, 47k ohm
RV21	24366101	CF, 100 ohm
RV22	24366101	CF, 100 ohm
RV23	24366471	CF, 470 ohm
RV24	24552331	OMF, 330 ohm, 1/2W
⚠ RV25	24019261	OMF, 330 ohm, 1/2W FR, 47 ohm, ±2%, 1/4W
RV26	24366222	CF, 2200 ohm
RV27		
RV28	24366104	CF, 100k ohm CF, 100k ohm
RV29	24366471	CF, 470 ohm
1	24300471	CF, 1500 ohm
RV30	24300102	CF, 91 ohm
RV31		
RV32	24366910	CF, 91 ohm CF, 150 ohm
RV34	24366151	CF, 150 ohm
RV36		CF, 100 ohm
RV37	24366104	CF, 100k ohm CF, 100k ohm
RV38		
RV39	24366101	CF, 100 ohm
RV40	24366680	CF, 68 ohm
RV41	24366103	CF, 10k ohm
RV42	24366750	CF, 75 ohm
RV43		CF, 62 ohm
RV44		CF, 62 ohm
RV45		
RV47	24366101	CF, 62 ohm CF, 100 ohm
		OMF, 68 ohm, 1W
RV48		CF, 1k ohm
RV49	24382560	OMF, 56 ohm, 1W
RV60		
RV61	24366130	CF, 13 ohm
RV62		CF, 13 ohm
RV63	24366130	CF, 13 ohm
RV64	24366104	CF, 100k ohm CF, 100k ohm
RV65		
RV66		CF, 100k ohm
RV67	24366104	CF, 100k ohm
RV71	24366101	CF, 100 ohm
RV72	24366103	CF, 10k ohm
RV73	24366680	CF, 68 ohm
RV74	24366472	CF, 4700 ohm
RV75	24366472	OF 1700 1
RV76		CF, 100 ohm
RV77		CF, 1500 ohm
RV78	24366102	CF, 10k ohm
RV79		CF, 100 ohm
		CF, 820 ohm
RV91		
RW01		CF, 22k ohm
RW02		CF, 33k ohm
RW03		CF, 10k ohm
RW04		CF, 22k ohm
RW05		CF, 33k ohm
RW06	24366103	
RW07		OMF, 560 ohm, 1/2W
RW08	24366103	CF, 10k ohm
RW09	24366123	
RW10	24366103	
RW11		CF, 10k ohm
RW12		CF, 12k ohm
RW13		CF, 10k ohm
RW14		CF, 12k ohm
RW15		CF, 12k ohm
RW25		CF, 680 ohm
114423	2730000 I	J., 500 Jilli

Location	Part No.	Description
No.		20001111111
RW26	24366681	CF, 680 ohm
RX01	24366102	CF, 1k ohm
RX02	24366101	
RX03	24366101	
RX04	24366103	CF, 10k ohm
RX05 RX06	24366103 24366332	
RX07	24366332	
RX08	24366122	CF, 1200 ohm
RX09	24366122	
RX10	24366101	
RX12		
RX13	24366102 24366332	CF, 3300 ohm
RX14	24366103	CF, 10k ohm
RX15	24366473	CF, 47k ohm
RX19	24366201	CF, 200 ohm
RX20	24366152	CF, 1500 ohm
RX21	24366201	CF, 200 ohm
RX22		CF, 200 ohm
RX27	24366102	CF, 1k ohm
COILS &	TRANSFOR	MERS
L150	23289120	
L201	23289100	
L202	23289470	
L301		Coil (Ferrite Bead), TEM2011
L302	23289101	
L315	23238714	Coil, Peaking, TRF4100AJ
L405	23221685	Coil, Choke, TLN3193
L406	23103859	
L412	23221684	
L414	23103859	Coil (Ferrite Bead), TEM2011
L421 L422	23211897	
L422 L441	23221894 23233948	Coil, Choke, TLN3063 Coil, Linearity, TLN2137G
△L462	23233340	DY, Supplied with V901
L503	23238714	Coil, Peaking, TRF4100AJ
L551	23250972	Coil, 1H-Delay Matching,
		TRF5418D
L590	23289100	Coil, Peaking, TRF4100AF
L591	23289100	Coil, Peaking, TRF4100AF
L683	23238714	Coil, Peaking, TRF4100AJ
L684	23238714	لـCoil, Peaking, TRF4100A
L685	23238714	Coil, Peaking, TRF4100AJ
L686	23238714	Coil, Peaking, TRF4100AJ
L810	23103859	Coil (Ferrite Bead), TEN2011
L811 L821	23103859 23222694	Coil (Ferrite Bead), TEN2011
L821	23222694	Coil, Width, TLN2026 Coil, Choke, TRF9253D
L826	23221747	Coil, Choke, TLN3155D
L829	23103859	Coil (Ferrite Bead), TEN2011
L842	23103859	Coil (Ferrite Bead), TEN2011
L866	23289229	Coil, Peaking, TRF42R2AF
L880	23222694	Coil, Width, TLN2026
△ L901	23200203	Coil, Degaussing,
∆L901	22200202	TSB-2330AR (2836DF)
دت ۲۵/۱ ا	23200202	Coil, Degaussing, TSB-2329AR(2536DF)
LA01	23289109	Coil, Peaking, TRF41R0#
LA12	23221803	Coil, Choke, TLN3040D
LB01	23262001	Coil, IF, TRF1166D
LD02	23221896	Coil, Choke, TLN3061
LF02	23238712	Coil, Peaking, TRF4150AJ
LF02 LF03	23238720	Coil, Peaking, TRF4339AJ

Location	Part No.	Description
No. LF04	23238562	Coil, Peaking, TRF4109AJ
	23238302	
LF05		Coil, Peaking, TRF4100AJ
LF06		Coil, Peaking, TRF4100AJ
LF07		
LF08		Coil, Peaking, TRF4100AJ
LF09		Coil, Peaking, TRF4229AJ
LF10		Coil, Peaking, TRF4229AJ
LF11	23103859	
LF12	23238506	Coil, Peaking, TRF4229AJ
LF13	23238714	Coil, Peaking, TRF4100AJ
LM01	23262797	
LM02	23250865	Coil, IF, TRF5414DA
LM03	23250865	Coil, IF, TRF5414DA
LM04	23262798	
LN01	23238711	Coil, Peaking, TRF4180AJ
LN02	23238714	Coil, Peaking, TRF4100AJ
LN03	23238710	Coil, Peaking, TRF4220AJ
LV01	23289220	
△T401	23224336	
- · · - ·	_	TLN1083
△T461	23236454	Transformer, Flyback,
•		TFB4117AR
∆T801	23211891	Line Filter, TRF3164
∆ T803	23217214	Transformer, Converter,
		TPW3283AR
SEMICONI	OUCTORS	
IC151	B0372960	IC, TA78L009AP
IC301	B0378560	IC, TA8427K
IC302	B0384683	IC, TA8859AP
IC408	23319314	IC, μPC2412HF
IC501	B0383827	
IC602	23319808	
IC603	23319808	IC, M5218AP
IC605		IC, TA8211AH
IC670		IC, TC4053BP
△IC827		IC, S1854
IC835		IC, L78MR05
ICA01		IC, 85332A-105S
		IC, ST24C04CB6
ICA02		IC, MM1096BS
ICA10		
ICF02	23904779	
ICV01	B0383720	IC, TA8747N
ICX01	23119139	IC, AN5862K
Q152	23314794	
Q153	23314794	
Q154	A6317764	
Q155	A6534077	
Q156	23314794	
Q190	A6002060	
Q191	A6041860	•
Q205	23314794	Transistor, 2PC1815Y
4205		Transistor, 2PC1815Y
Q208	23314794	Transistor, El Ololol
	23314794 23314794	Transistor, 2PC1815Y
Q208 Q213		Transistor, 2PC1815Y
Q208 Q213 Q214	23314794	Transistor, 2PC1815Y Transistor, 2SC2878-A(TE)
Q208 Q213 Q214 Q215	23314794 A6342206	Transistor, 2PC1815Y Transistor, 2SC2878-A(TE) Transistor, 2SC2878-A(TE)
Q208 Q213 Q214 Q215 Q216	23314794 A6342206 A6342206	Transistor, 2PC1815Y Transistor, 2SC2878-A(TE) Transistor, 2SC2878-A(TE)
Q208 Q213 Q214 Q215 Q216 Q240	23314794 A6342206 A6342206 A6002040 23314794	Transistor, 2PC1815Y Transistor, 2SC2878-A(TE) Transistor, 2SC2878-A(TE) Transistor, RN1204 Transistor, 2PC1815Y
Q208 Q213 Q214 Q215 Q216 Q240 Q340	23314794 A6342206 A6342206 A6002040 23314794 23314794	Transistor, 2PC1815Y Transistor, 2SC2878-A(TE) Transistor, 2SC2878-A(TE) Transistor, RN1204 Transistor, 2PC1815Y Transistor, 2PC1815Y
Q208 Q213 Q214 Q215 Q216 Q240 Q340 Q402	23314794 A6342206 A6342206 A6002040 23314794 23314794 A678971D	Transistor, 2PC1815Y Transistor, 2SC2878-A(TE) Transistor, 2SC2878-A(TE) Transistor, RN1204 Transistor, 2PC1815Y Transistor, 2PC1815Y Transistor, 2SC1569 FA-5
Q208 Q213 Q214 Q215 Q216 Q240 Q340 Q402 △ Q404	23314794 A6342206 A6342206 A6002040 23314794 23314794 A678971D A6872801	Transistor, 2PC1815Y Transistor, 2SC2878-A(TE) Transistor, 2SC2878-A(TE) Transistor, RN1204 Transistor, 2PC1815Y Transistor, 2PC1815Y Transistor, 2SC1569 FA-5 Transistor, 2SD2253
Q208 Q213 Q214 Q215 Q216 Q240 Q340 Q402 △ Q404 Q430	23314794 A6342206 A6342206 A6002040 23314794 23314794 A678971D A6872801 23314794	Transistor, 2PC1815Y Transistor, 2SC2878-A(TE) Transistor, 2SC2878-A(TE) Transistor, RN1204 Transistor, 2PC1815Y Transistor, 2PC1815Y Transistor, 2SC1569 FA-5 Transistor, 2SD2253 Transistor, 2PC1815Y
Q208 Q213 Q214 Q215 Q216 Q240 Q340 Q402 ♠ Q404	23314794 A6342206 A6342206 A6002040 23314794 23314794 A678971D A6872801	Transistor, 2PC1815Y Transistor, 2SC2878-A(TE) Transistor, 2SC2878-A(TE) Transistor, RN1204 Transistor, 2PC1815Y Transistor, 2PC1815Y Transistor, 2SC1569 FA-5 Transistor, 2SD2253 Transistor, 2PC1815Y Transistor, 2SA1320

Location No.	Part No.	Description
Q506	23314794	Transistor, 2PC1815Y
Q507	A6363200	
Q508		Transistor, 2PC1815Y
Q509	A6363200	Transistor, 2SC3619
Q510	23314794	Transistor, 2PC1815Y
Q514	A6509127	Transistor, 2SA562TM-O
Q516	A6321265	Transistor, 2SC2120-Y(TE)
Q604		Transistor, 2PA1015Y
Q607	A6002040	•
Q608	A6010040	
Q621	A6342206	•
Q622	A6342206	
Q671	A6342206	
Q673	A6342206	•
Q801	23904247	IC, STR-S6708 Transistor, 2SC3852
Q802 ∆ Q826	23314141 A8643108	
د روده	70043 IUX	IC, Photo Coupler, TLP621(GR-LF)
Q828	23314794	
Q828 Q831	23314794	
Q836	23314794	Transistor, 2PA1015Y
Q861	23314141	Transistor, 2SC3852
Q870	A6333346	Transistor, 2SC2655-Y(C)
Q871	23314794	Transistor, 29C1815Y
QA06		Transistor, 2PC1815Y
QB01	23314794	Transistor, 2PC1815Y
QB02	23314794	Transistor, 2PC1815Y
QB11		
QB12	23314791	Transistor, 2PC1815Y Transistor, 2PA1015Y
QD01	A6625365	Transistor, 2SB688-O(BS)
QD02	23314794	Transistor, 2PC1815Y
QD03	23314794	Transistor, 2PC1815Y
QF04	23314794	Transistor, 2PC1815Y
QF05	23314794	Transistor, 2PC1815Y
QF06	23314794	Transistor, 2PC1815Y
QN02	23314791	Transistor, 2PA1015Y
QN03	23314791	Transistor, 2PA1015Y
QN04	A6342206	Transistor, 2SC2878-A(TE)
QN05	A6342206	Transistor, 2SC2878-A(TE) Transistor, RN1002
QN07	A6000020	ransistor, RN1002
QN08		Transistor, 2PC1815Y
QN13		Transistor, 2SC2878-A(TE)
QN15	A6342206	
QV03	A6342206	Transistor, 2SC2878-A(TE)
QV04 QV05	A6319311	•
QV05	23314791 23314791	Transistor, 2PA1015Y Transistor, 2PA1015Y
QV06 QV07	23314791	Transistor, 2PA1015Y Transistor, 2PC1815Y
QW01	23314794	Transistor, 2PA1015Y
QW02	23314791	Transistor, 2PA1015Y
QW02	23314791	Transistor, 2PA1015Y
QW04	23314791	Transistor, 2PA1015Y
QX02	A6534077	Transistor, 2SA1015-GR(T)
0X03	A6734585	Transistor, 2SC752(G)TM-O
QX04	23314794	Transistor, 2PC1815Y
QX05	23314794	Transistor, 2PC1815Y
QX06	23314794	Transistor, 2PC1815Y
QX07	23314794	Transistor, 2PC1815Y
QX09	23314794	Transistor, 2PC1815Y
QX10	23314794	Transistor, 2PC1815Y
QY09	A6000020	Transistor, RN1002
D108	23316756	Diode, Zener, MTZJ33D
D151	23115599	Diode, 1N4148
D152	23115599	Diode, 1N4148
I		

Description			
No. D201	ľ	Part No	Description
D203 23115599 Diode, 1N4148 D204 23115599 Diode, 1N4148 D205 23115599 Diode, 1N4148 D301 23118479 Diode, BYD33J D302 23118479 Diode, BYD33J D303 23115599 Diode, ERB12-02 D321 23118822 Diode, ERB12-02 D332 23316794 Diode, SC570A D401 23316333 Diode, Zener, UZ12BSB D402 23316348 Diode, Zener, UZ12BSB D403 23316333 Diode, Zener, UZ12BSB D406 23118479 Diode, BYD33J D408 23118052 Diode, RU4Z D400 23316333 Diode, Zener, UZ12BSB D406 23118479 Diode, BYD33J D407 23316332 Diode, RU4Z D474 23316332 Diode, RU4Z D474 23316332 Diode, Zener, UZ128SB D590 23115599 Diode, MA148 D591 23115599 Diode, IM4148 D592 2311	No.	. 414 1401	
D203 23115599 Diode, 1N4148 D204 23115599 Diode, 1N4148 D205 23115599 Diode, 1N4148 D301 23118479 Diode, BYD33J D302 23118479 Diode, BYD33J D303 23115599 Diode, ERB12-02 D321 23118822 Diode, ERB12-02 D332 23316794 Diode, SC570A D401 23316333 Diode, Zener, UZ12BSB D402 23316348 Diode, Zener, UZ12BSB D403 23316333 Diode, Zener, UZ12BSB D406 23118479 Diode, BYD33J D408 23118052 Diode, RU4Z D400 23316333 Diode, Zener, UZ12BSB D406 23118479 Diode, BYD33J D407 23316332 Diode, RU4Z D474 23316332 Diode, RU4Z D474 23316332 Diode, Zener, UZ128SB D590 23115599 Diode, MA148 D591 23115599 Diode, IM4148 D592 2311	Bood	A71F0044	Diode 199104
D204	l.		
D206	9	23115599	Diodo 184140
D246			Diode, 1N4T48
D301 23118479 Diode, BYD33J D302 23118479 Diode, BYD33J D303 23115599 Diode, BYD33J D303 23115822 Diode, ERB12-02 D321 23118822 Diode, ERB12-02 D321 23118822 Diode, ERB12-02 D321 23116333 Diode, Zener, UZ12BSB D402 23316333 Diode, Zener, UZ12BSB D402 23316333 Diode, Zener, UZ12BSB D403 23316333 Diode, Zener, UZ12BSB D406 23118479 Diode, BYD33J D408 23118052 Diode, RU4Z D410 23316321 Diode, Zener, UZ16BSB D471 A7801205 SCR, SF0R3G42 D474 23316342 Diode, Zener, UZ16BSB D475 23316333 Diode, Zener, UZ16BSB D591 233115599 Diode, IN4148 D592 23115599 Diode, IN4148 D594 23115599 Diode, IN4148 D595 23115599 Diode, IN4148 D596 23115599 Diode, IN4148 D601 23115599 Diode, IN4148 D636 23115599 Diode, IN4148 D637 23115599 Diode, IN4148 D637 23115599 Diode, IN4148 D637 23115599 Diode, IN4148 D637 23115599 Diode, IN4148 D638 23115599 Diode, IN4148 D639 23115599 Diode, IN4148 D639 23115599 Diode, IN4148 D640 23115599 Diode, IN4148 D641 23115599 Diode, IN4148 D639 23115599 Diode, IN4148 D641 23115599 Diode, IN4148 D641 23115599 Diode, IN4148 D602 23118479 Diode, BYD33J D803 23118479 Diode, BYD33J D804 23316315 Diode, Zener, UZ6.8BSB D806 23118479 Diode, BYD33J D807 23118479 Diode, BYD33J D808 23316339 Diode, IN4148 D813 23115599 Diode, IN4148 D813 23115599 Diode, IN4148 D814 23115599 Diode, IN4148 D815 23316339 Diode, Zener, UZ5.6BSB D816 23316339 Diode, Zener, UZ5.6BSC D874 23316330 Diode, Zener, UZ5.6BSC D875 23115599 Diode, IN4148 D816 23316330 Diode, Zener, UZ5.6BSC D876 23115599 Diode, IN4148 D878 23316302 Diode	1		
D302 23118479 Diode, BYD33J D303 23118599 Diode, IN4148 D320 23118822 Diode, ERB12-02 D321 23118822 Diode, ERB12-02 D332 23316794 Diode, SC570A D401 23316333 Diode, Zener, UZ12BSB D402 23316333 Diode, Zener, UZ12BSB D403 23316333 Diode, Zener, UZ12BSB D406 23118479 Diode, BYD33J D408 23118052 Diode, Zener, UZ12BSB D471 A7801205 SCR, SF0R3G42 D474 23316334 Diode, Zener, UZ16BSB D471 A7801205 SCR, SF0R3G42 D475 23316334 Diode, Zener, UZ12BSB D590 23115599 Diode, IN4148 D591 23115599 Diode, IN4148 D592 23115599 Diode, IN4148 D594 23115599 Diode, IN4148 D595 23115599 Diode, IN4148 D601 23115599 Diode, IN4148 D601 23115599 Diode, IN4148 D601 23115599 Diode, IN4148 D636 23115599 Diode, IN4148 D636 23115599 Diode, IN4148 D638 23115599 Diode, IN4148 D638 23115599 Diode, IN4148 D638 23115599 Diode, IN4148 D639 23115599 Diode, IN4148 D630 23115599 Diode, IN4148 D630 23118479 Diode, BYD33J D804 23118037 Diode, BYD33J D804 23316315 Diode, Zener, UZ6.8BSB D806 23118479 Diode, BYD33J D804 23118479 Diode, BYD33J D804 23118599 Diode, IN4148 D801 23118599 Diode, IN4148 D801 23118599 Diode, IN4148 D801 23118479 Diode, BYD33J D804 23118599 Diode, IN4148 D801 23115599 Diode, IN4148 D801 23115599 Diode, IN4148 D801 23115599 Diode, IN4148 D802 23118479 Diode, BYD33J D804 23116599 Diode, IN4148 D801 23115599 Diode, IN4148 D801 23115599 Diode, IN4148 D801 23115599 Diode, IN4148 D801 23115599 Diode, IN4148 D802 23116599 Diode, IN4148 D803 23116599 Diode, IN4148 D803 23116599 Diode, IN4148 D803 23116599 Diode, IN4148 D804 23115599 Diode, IN4148 D804 23115599 Diode, IN4148 D804 2311	•	23115599	Diode, 1N4148
D303			
D303		23118479	Diode, BYD33J
D320 23118822 Diode, ERB12-02 D321 23118822 Diode, ERB12-02 D332 23316333 Diode, SC570A D401 23316333 Diode, Zener, UZ12BSB D402 23316333 Diode, Zener, UZ20BSB D406 23118479 Diode, BYD33J D406 23118522 Diode, RV4Z D410 23316321 Diode, Zener, UZ8.2BSB D471 A7801205 SCR, SFOR3G42 D474 23316332 Diode, Zener, UZ16BSB D475 23316333 Diode, Zener, UZ12BSB D590 23115599 Diode, IN4148 D591 23115599 Diode, IN4148 D592 23115599 Diode, IN4148 D595 23115599 Diode, IN4148 D696 23115599 Diode, IN4148 D695 23115599 Diode, IN4148 D636 23115599 Diode, IN4148 D637 23115599 Diode, IN4148 D638 23115599 Diode, IN4148 D637 <t< td=""><td>D303</td><td>23115599</td><td>Diode, 1N4148</td></t<>	D303	23115599	Diode, 1N4148
D401 23316333 Diode, Zener, UZ212BSB D402 233163348 Diode, Zener, UZ20BSB D403 23316333 Diode, Zener, UZ12BSB D406 23118479 Diode, BYD33J D408 23118052 Diode, RU4Z D410 23316321 Diode, Zener, UZ8.2BSB D471 A7801205 SCR, SF0R3G42 D474 23316332 Diode, Zener, UZ12BSB D590 23115599 Diode, IN4148 D591 23115599 Diode, IN4148 D592 23115599 Diode, IN4148 D594 23115599 Diode, IN4148 D695 23115599 Diode, IN4148 D696 23115599 Diode, IN4148 D630 23115599 Diode, IN4148 D631 23115599 Diode, IN4148 D632 23115599 Diode, IN4148 D633 23115599 Diode, IN4148 D639 23115599 Diode, IN4148 D640 23115599 Diode, IN4148 D801		23118822	Diode, ERB12-02
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D844 23316332 Diode, Zener, UZ12BSA D848 23316302 Diode, Zener, UZ4.7BSB D861 23316310 Diode, Zener, UZ5.6BSC D874 23316307 Diode, Zener, UZ5.1BSC D875 23115599 Diode, 1N4148 D878 23316308 Diode, Zener, UZ5.6BSA DA02 23316312 Diode, Zener, UZ6.2BSB DA03 23316312 Diode, Zener, UZ6.2BSB DA04 23115599 Diode, 1N4148	D831		
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D874 23316307 Diode, Zener, UZ5.1BSC D875 23115599 Diode, 1N4148 D878 23316308 Diode, Zener, UZ5.6BSA DA02 23316312 Diode, Zener, UZ6.2BSB DA03 23316312 Diode, Zener, UZ6.2BSB DA04 23115599 Diode, 1N4148	D848		
D874 23316307 Diode, Zener, UZ5.1BSC D875 23115599 Diode, 1N4148 D878 23316308 Diode, Zener, UZ5.6BSA DA02 23316312 Diode, Zener, UZ6.2BSB DA03 23316312 Diode, Zener, UZ6.2BSB DA04 23115599 Diode, 1N4148		23316310	Diode, Zener, UZ5.6BSC
D875 23115599 Diode, 1N4148 D878 23316308 Diode, Zener, UZ5.6BSA DA02 23316312 Diode, Zener, UZ6.2BSB DA03 23316312 Diode, Zener, UZ6.2BSB DA04 23115599 Diode, 1N4148		23316307	Diode, Zener, UZ5.1BSC
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DA02 23316312 Diode, Zener, UZ6.2BSB DA03 23316312 Diode, Zener, UZ6.2BSB DA04 23115599 Diode, 1N4148		23316308	The state of the s
DA03 23316312 Diode, Zener, UZ6.2BSB DA04 23115599 Diode, 1N4148			Diode, Zener, UZ6.2BSB
DA04 23115599 Diode, 1N4148		23316312	Diode, Zener, UZ6.2BSB
			Diode, 1N4148
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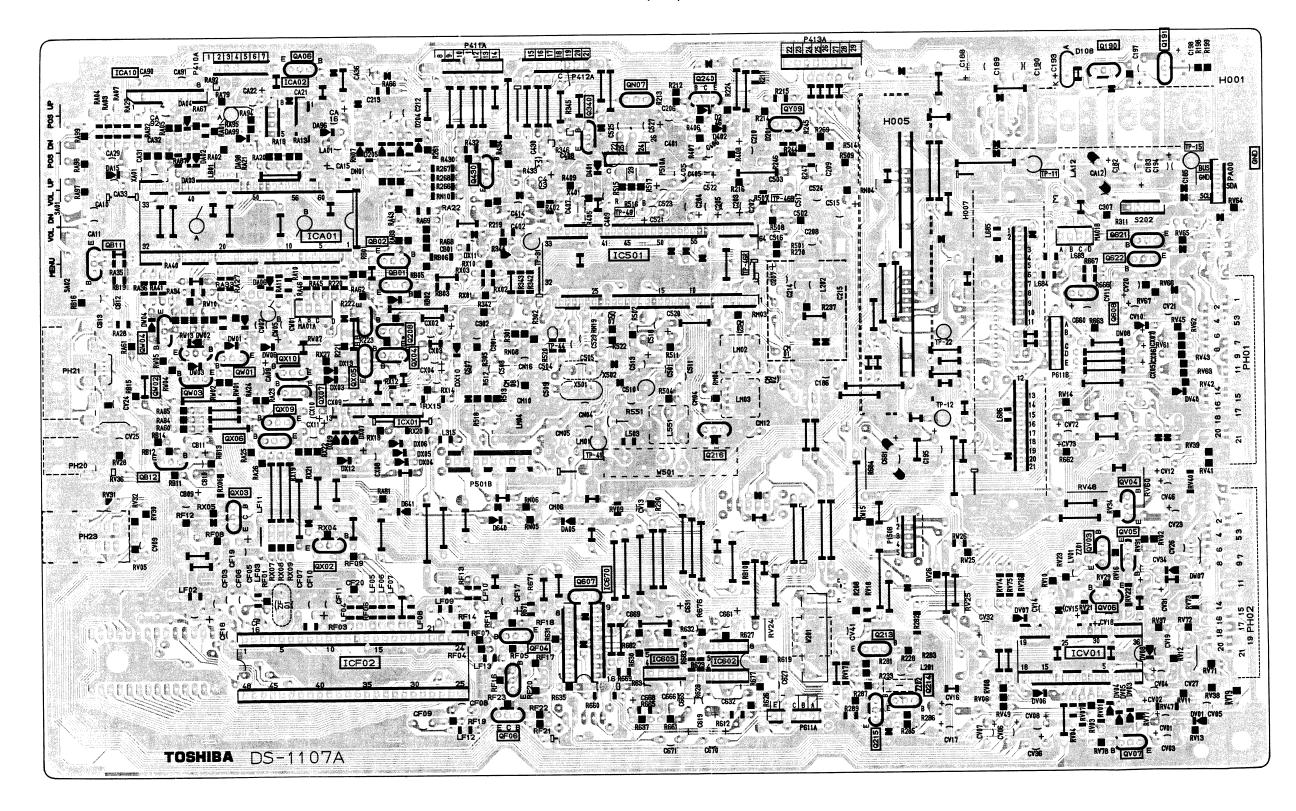
Location No.	Part No.	Description
DA06	23115599	
DA15		Diode, Zener, UZ6.2BSB
DA96	23316312	Diode, Zener, UZ6.2BSB
DA98		Diode, Zener, UZ6.2BSB
DA99		Diode, Zener, UZ6.2BSB
DD01		Diode, BYD33J
DD02		Diode, ERC20-06
DD03 DD04	23118479 23115599	•
DD04 DD05	23316332	= · · · · · · · · · · · · · · · · · · ·
DD05	23316309	
DD07	23316309	
DE50	23358504	
		SCL003URC3FX, Red
DN01	23115599	
DV01	23316327	Diode, Zener, UZ10BSB
DV03	23316327 23316327	Diode, Zener, UZ10BSB
DV04		
DV05	23316327	
DV06	23316327	Diode, Zener, UZ10BSB
DV07	23316327	
DV08	23316324	Diode, Zener, UZ9.1BSB
DV40 DV44	23115599 23316302	•
DW01	23310302	Diode, 2ener, 024.7636 Diode, 1N4148
DW01	23115599	Diode, 1N4148
DW02	23115599	Diode, 1N4148
DW04	23115599	Diode, 1N4148
DW05	23316299	•
DW06	23316304	Diode, Zener, UZ4.7BSC
DW07	23316336	Diode, Zener, UZ13BSB
DW08	23316336	Diode, Zener, UZ13BSB
DX03	23115599	Diode, 1N4148
DX04	23115599	Diode, 1N4148
DX05	23115599	Diode, 1N4148
DX06	23115599	Diode, 1N4148 Diode, 1N4148
DX07 DX08		Diode, 1N4148
DX09	23115599	
DX10		Diode, 1N4148
DX11		Diode, 1N4148
DX12		Diode, Zener, UZ4.7BSB
DX13		Diode, 1N4148
MISCELLAN	IEOLIG	
AF801		Fuse, 3.15A
F801A		Holder, Fuse
△F803	23144874	
F803A		Holder, Fuse
H005		Module, VIF FR, MVGS42 A
H007	23148191	Module, NICAM/IGR/A.PhO, MPSE11
K901	23120220	·
P150B	23902062	
P410A	23902750	* *
P410B	23368518	Connector, 7P
P411A	23902750	· ·
P411B P412A	23368518	Connector, 7P Connector, 7P
P412B	23368518	·
P413A		Connector, 8P
P413B		Connector, 8P
P501A		Connector, 10P
P501B	23902213	

Location	Port No	Description
No.	Fait No.	Description
⚠ P801	23176697	:
PH01	23365598	_
PH02	23365598	
PH20	23363252	•
PH21	23365508	Jack, Phono, 2P
PH23	23365546	Jack, 4P
S202	23344333	Switch, Lever, 1C3P
△ S801	23145434	Switch, Power, 2C2P
SA01	23145428	Switch, Push, 1C1Px4
SA02	23145430	Switch, Push, 1C1P
△ V901A	23902891	Socket, CRT, 10P
W201	23250878	
W501	23250950	Coil, 1H-Delay Line, DL711
W661	23351086	Speaker, SPK-1358,
		80x120mm, 8 ohm
W662	23351086	Speaker, SPK-1358,
		80x120mm, 8 ohm
X401	23153721	*
		TCR1023
X501	23153979	
X502	23153961	· ·
XA01	23153845	Ceramic Resonator, 4MHz,
<u> </u>		TCR1015
Z150	23107949	Ceramic Filter, 6.5MHz,
		SFE6.5MBF
ZF01	23153012	* *
ZP31	23144452	Protector, PRF1000
ZP81	23144451	Protector, PRF5000
ZP82	23144452	Protector, PRF1000
ZZ01	23107849	• •
		4.43MHz, TCF1032
ZZ:02	23107787	• •
		3.58MHz, TCF1044
PC BOARD	ASSEMB	LIES
U901		CRT Drive Board, PB5106
5551	20,000,00	(2836DF)
U901	23703303	, ,
0301	25,0000	(2536DF)
U902A	23703637	• • • •
USUZA	23/0303/	(2836DF)
U902A	23703654	Signal Board, PB5097-1
USUZA	23703004	(2536DF)
Hoose	23703638	Chroma Board, PB5080-2
U902B	23703030	(2836DF)
LIGOSE	23703655	
U902B	23703000	(2536DF)
LIDOOF	23703639	
U902E	23/03039	·
LIGGGE	22702650	(2837DF)
U902E	23703656	AM-Det Board, PB5097-4
Lines	22702622	(2537DF) Power/Def/Audio Board.
U903	23703622	PB5073 (2836DF)
Liona	23703657	
U903	23/0300/	PB5098 (2536DF)
		,
PICTURE 1	TUBE	
△ V901	23312386	Picture Tube, A66ECY13X31
		(2836DF)
⚠ V901	23312379	
- ""		(2536DF)
		·

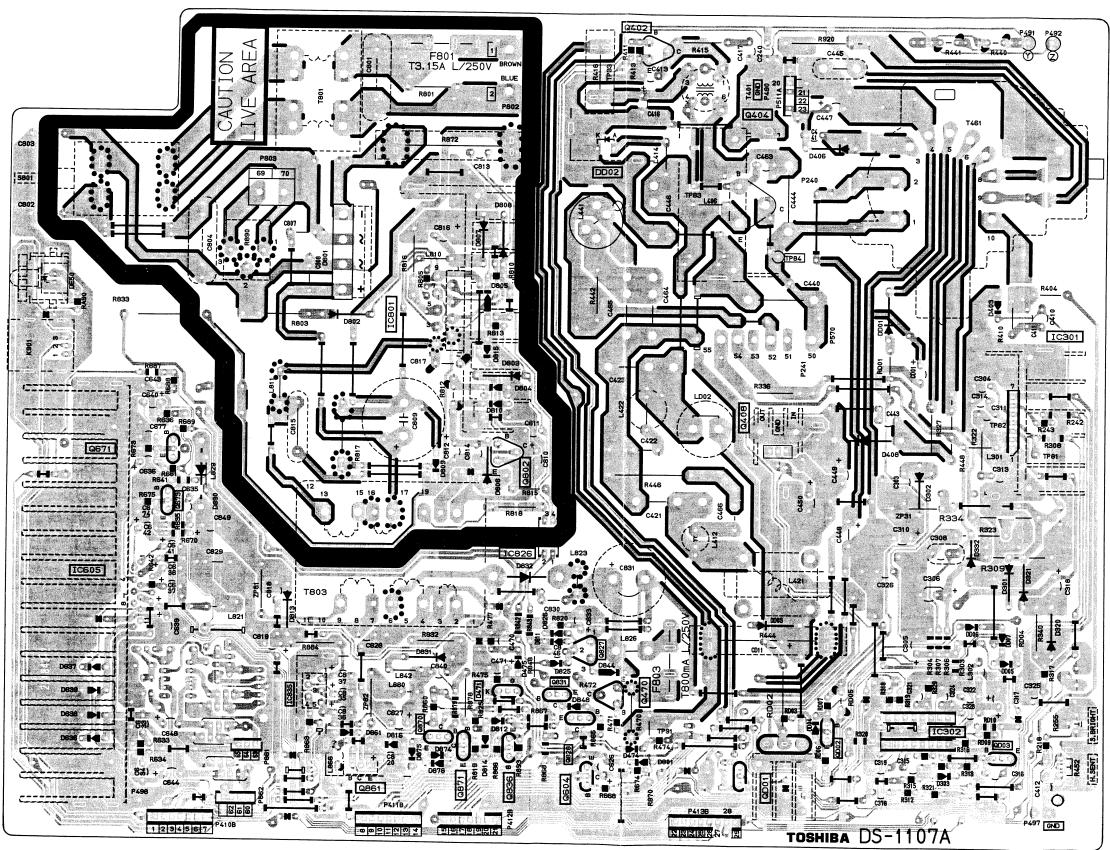
Location No.	Part No.	Description
TUNER	- HIMI	
H001	23321069	Tuner, VHF/UHF, EG463L
ACCESSOR		
K902 AT03	23120267 23305085	
Y101	23562234	
Y101	23562238	

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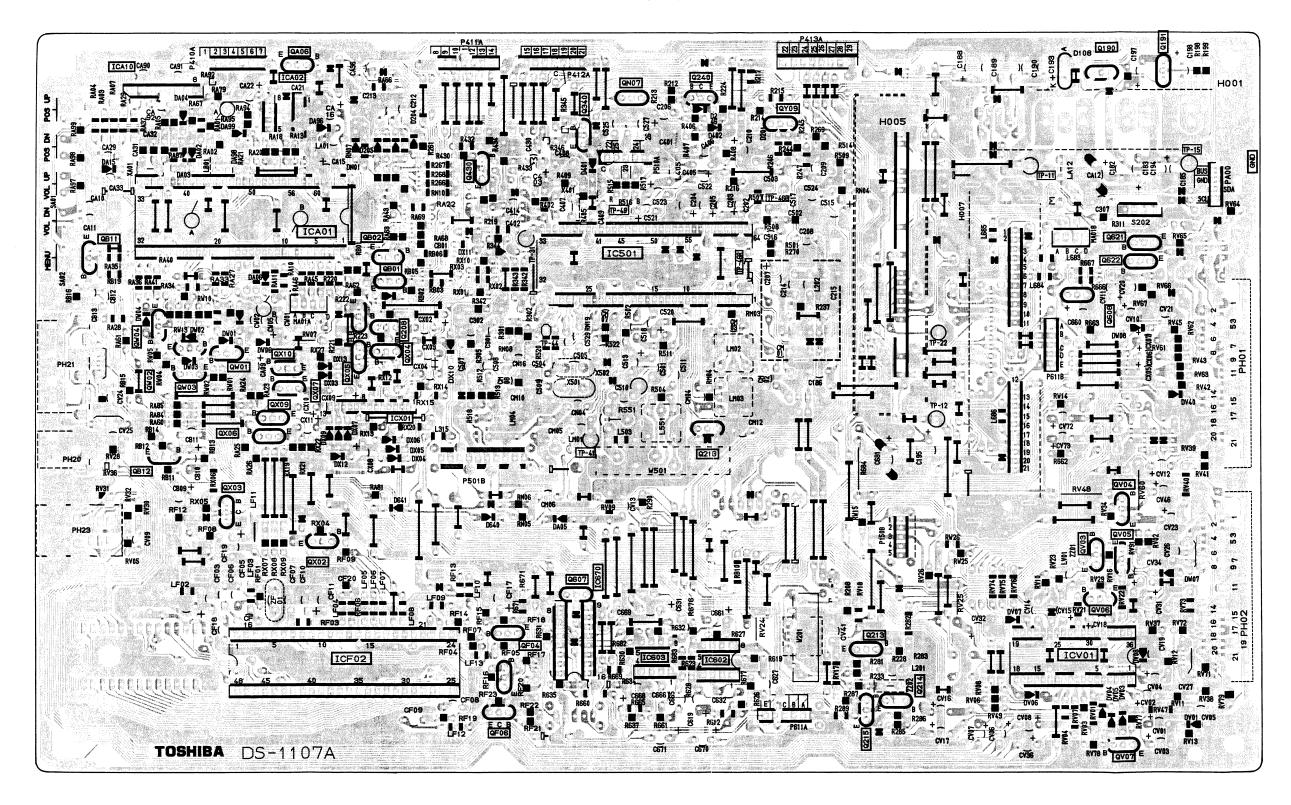
SIGNAL BOARD PB5080-1 (28")



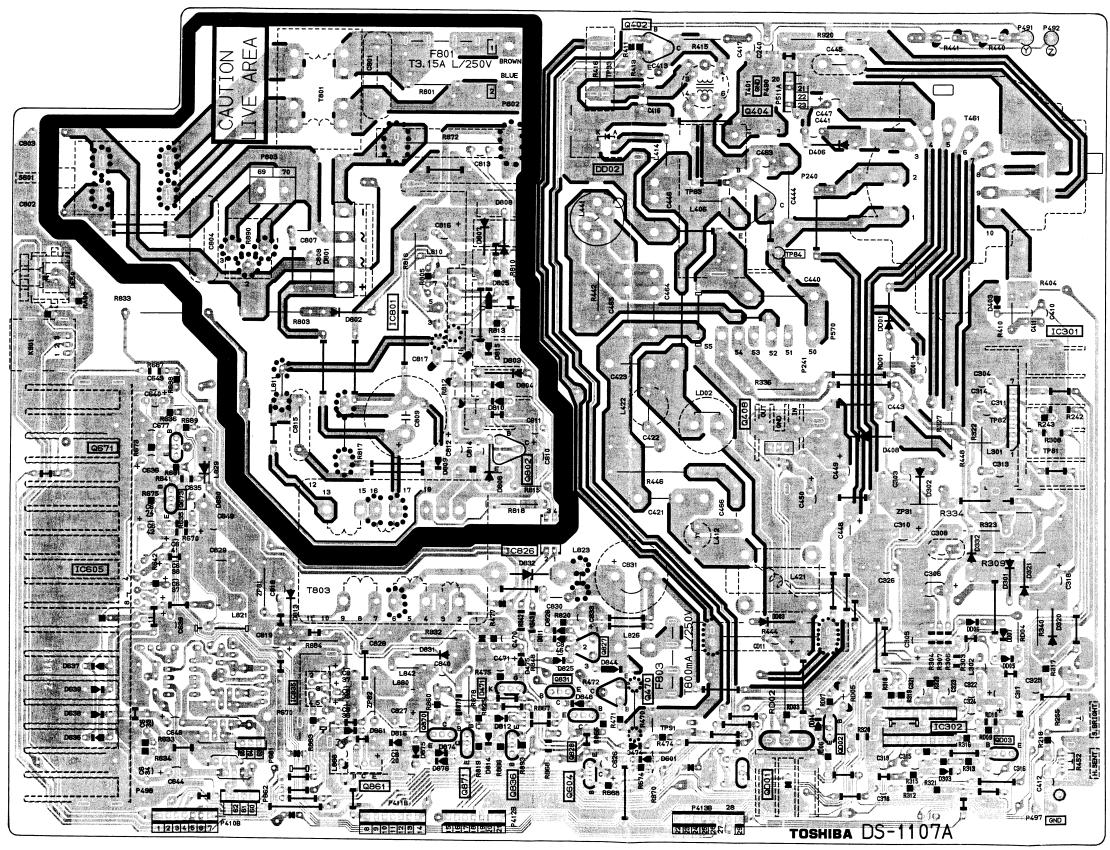
POWER/DEF/AUDIO BOARD PB5073 (28")



SIGNAL BOARD PB5097-1 (25")

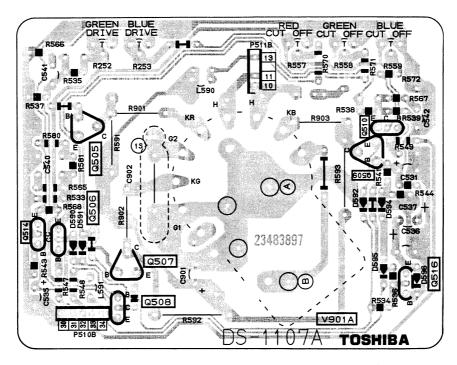


POWER/DEF/AUDIO BOARD PB5098 (25")



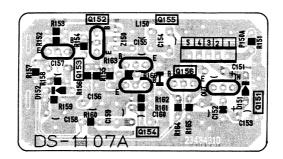
CRT DRIVE BOARD PB5106 (28")

BOTTOM (FOIL) SIDE

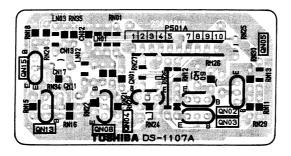


AM DET BOARD PB5080-4 (28")

BOTTOM (FOIL) SIDE

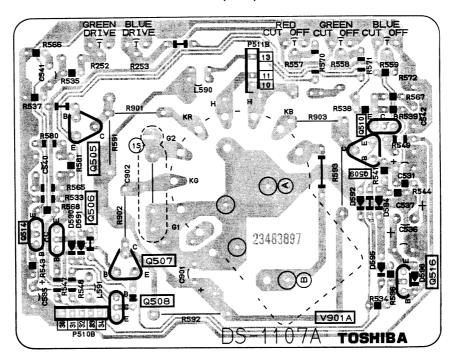


CHROMA-1 BOARD PB5080-2 (28")



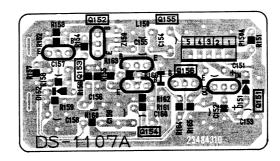
CRT DRIVE BOARD PB4833 (25")

BOTTOM (FOIL) SIDE

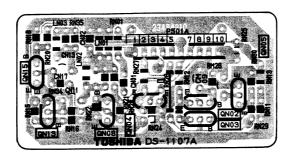


AM DET BOARD PB5097-4 (25")

BOTTOM (FOIL) SIDE



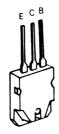
CHROMA-1 BOARD PB5097-2 (25")



TERMINAL VIEW OF TRANSISTORS

- ① 2SC1569
- ② 2SC3927(A)
- ③ 2SC2580-C 2SC2655
- 4 2SA933S 2SA1015-Y 2SA1320-Y 2SC752GTM 2SC1685-Q 2SC1740S 2SC1815-N 2SC1959-Y 2SC2120-Y 2SC2878-A

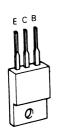






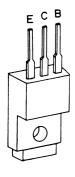
B C E

- \$\square\$ 2\$B1186A\$2\$C3852\$2\$D2253
- ⑥ 2SC3619
- 7 RN1203 RN1204 RN1206 RN2004
- 8 2SB1186A 2SD1763A









2836DF, 2536DF

SCHEMATIC DIAGRAM (1/2)

CAUTION: The international hazard symbols " \(\Delta \) in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on page 2. Do not degrade the safety of the receiver through improper servicing.

OBSERVATION OF VOLTAGES AND WAVEFORMS

- 1. Voltage readings were obtained using a high impedance digital voltmeter.
- 2. (—) or ground lead of instruments should be connected to the ground marked (\perp) in the shematic on checking Non-isolated circuit surrounded by mark but should be connected to the points marked ($\frac{1}{100}$) on checking isolated circuit.
- 3. The voltage readings may vary as much as $\pm 20\%$.
- 4. Check that the Tuning, A.F.C., Brightness, Contrast and Colour controls are adjusted for the best picture, making sure that the Contrast, Brightness and Colour controls are set near to their mid-positions.
- The waveforms were taken using a standard colour bar signal and were observed using a wide band oscilloscope via a low capacity probe.

NOTES:

1. This circuit diagram is subject to change without notice.

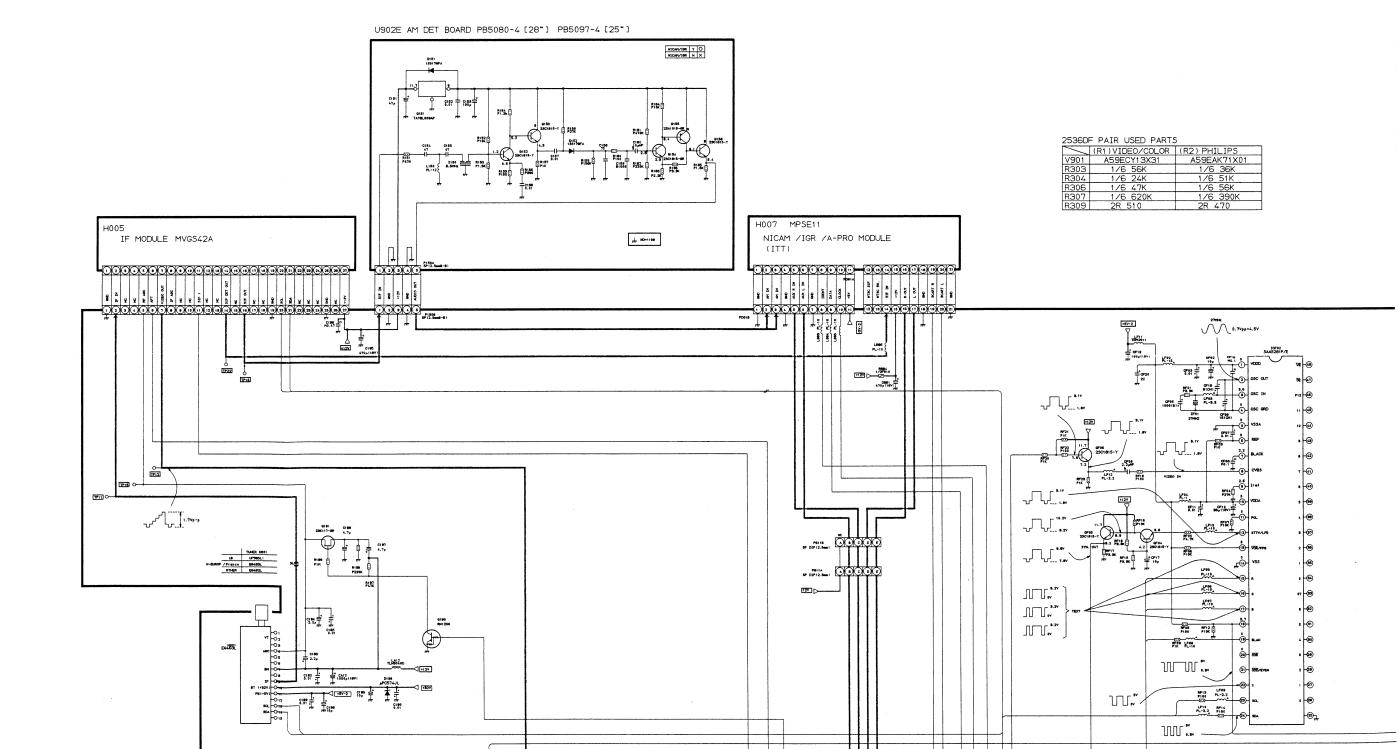
EXPRESSION

VALUE OF RESISTOR, CAPACITOR and INDUCTOR

- 1. Resistance is shown in ohm, k=1,000, M=1,000,000.
- 2. Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF and the values more than 1 in pF.
- 3. Unless otherwise noted in schematic, all inductor values more than 1 are expressed in $\mu\,H$, and the values less than 1 in H.

GROUNDING SYMBOL

1. \perp : Non isolated ground, $\frac{1}{2}$: Isolated ground.



RESISTOR

Prefixed to v

Carbor

Oxide N

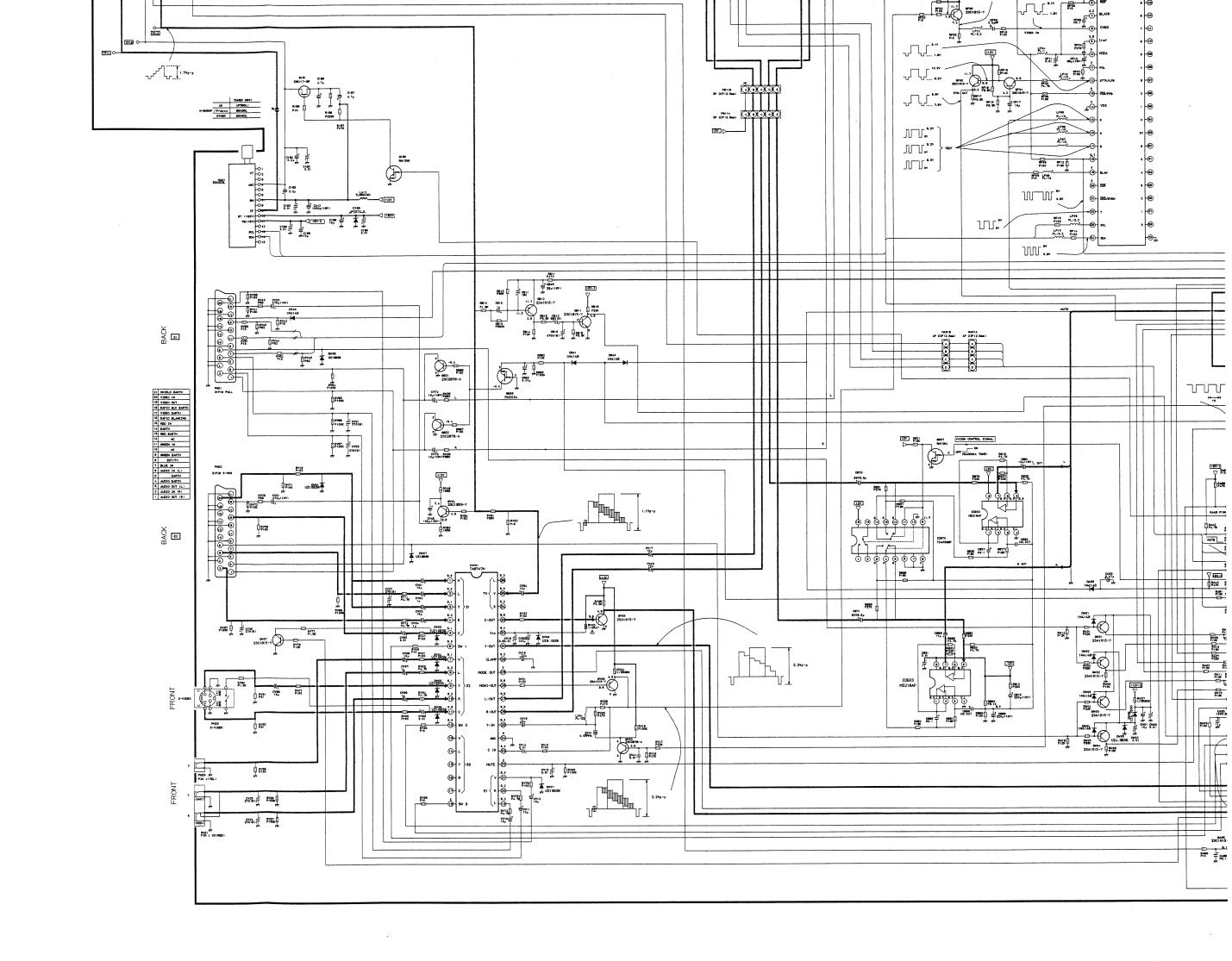
- Oxide i

Ins. Car

Wire

Cement co

Fusit



RESISTORS

1 are expressed in

1 are expressed in

Prefixed to values:

MARK
S
R
Р
W
NO MARK
FR

Suffixes to values:

TOLERANCE	MARK
±1%	(F)
± 2%	(G)

Suffixes to VR values:

LAW	MARK
Linear	(B)
'C' Curve Characteristic	(C)

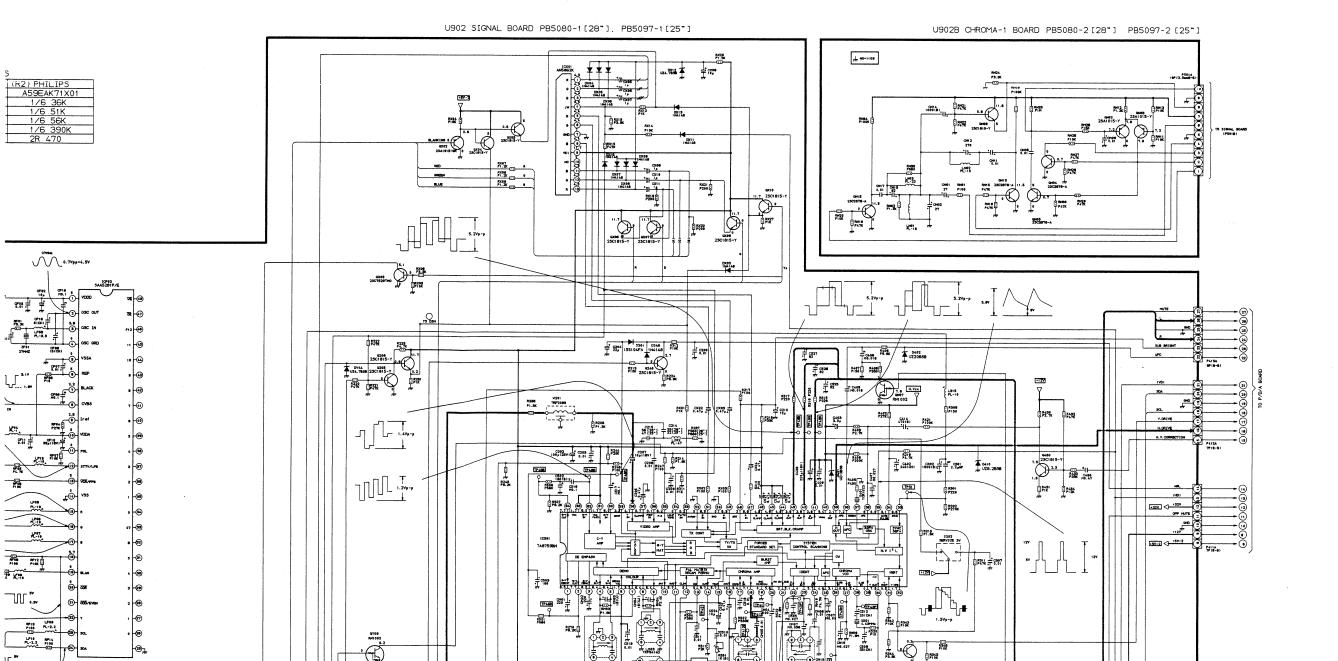
Rating Markings:

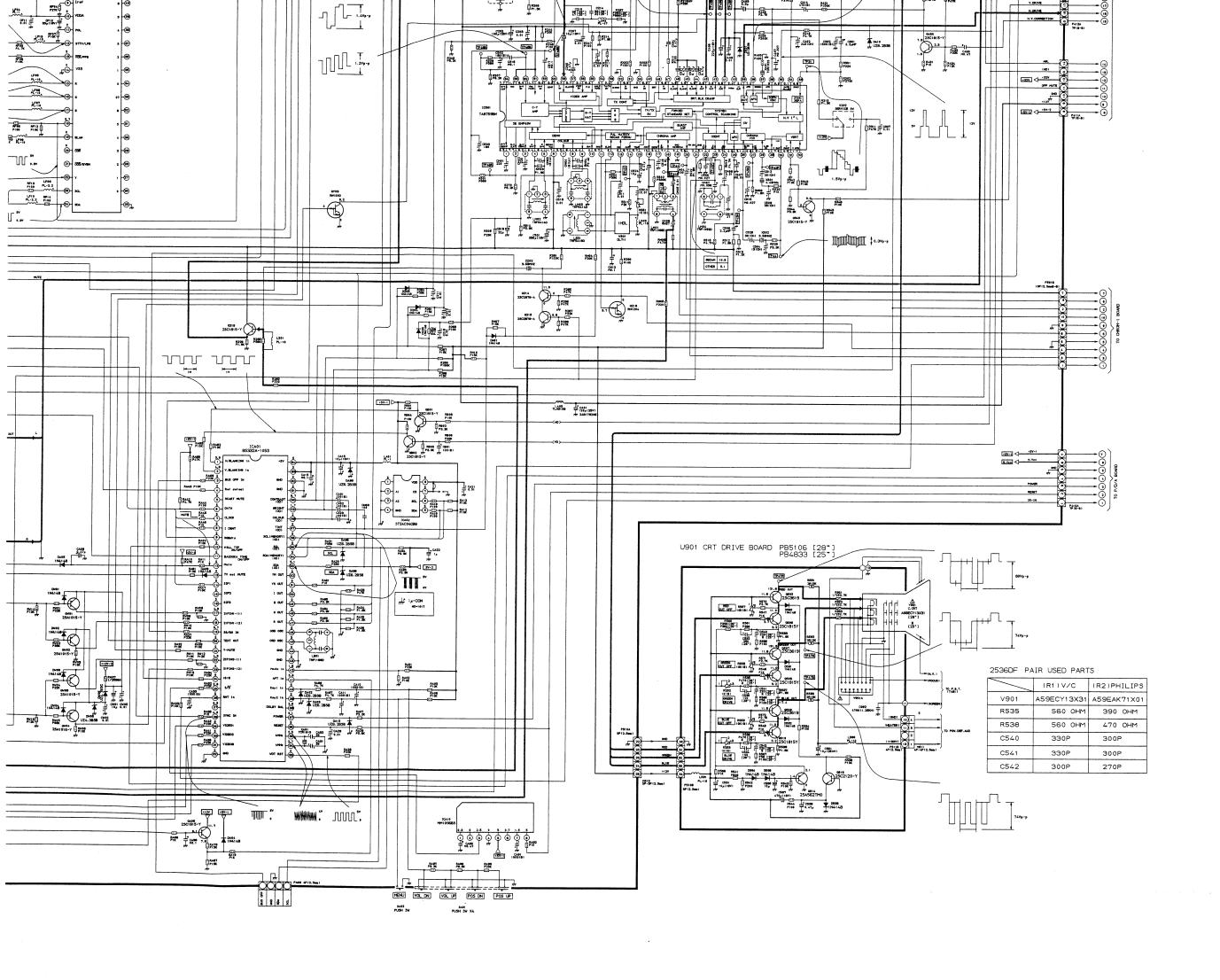
1/6W — 3W	v 3
1/4W 5W	v <u>5</u>
10W	V10
1/2W — 15W	V — 15
1 W - 1 20 W	20
2W - 2 - 25W	25

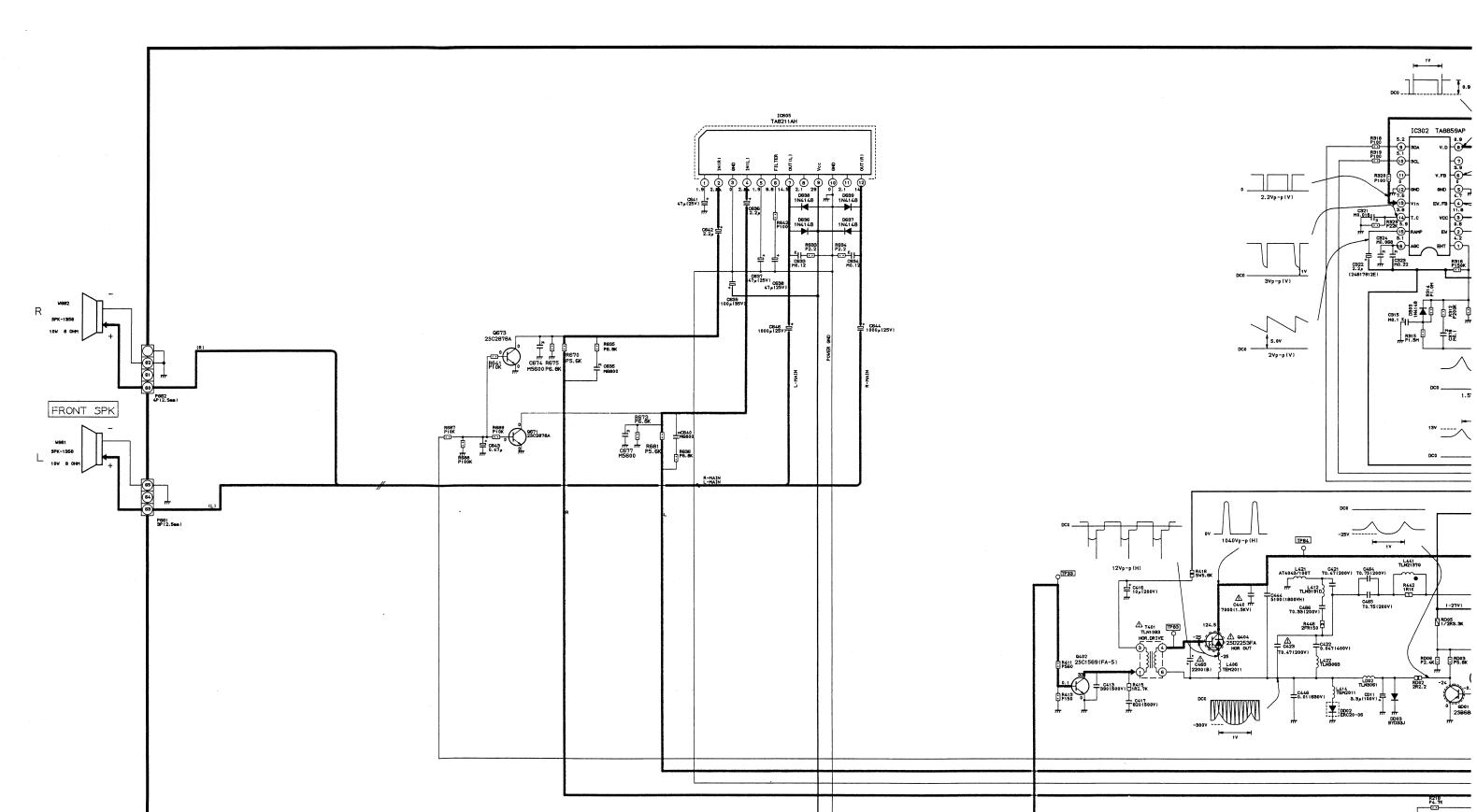
CAPACITORS

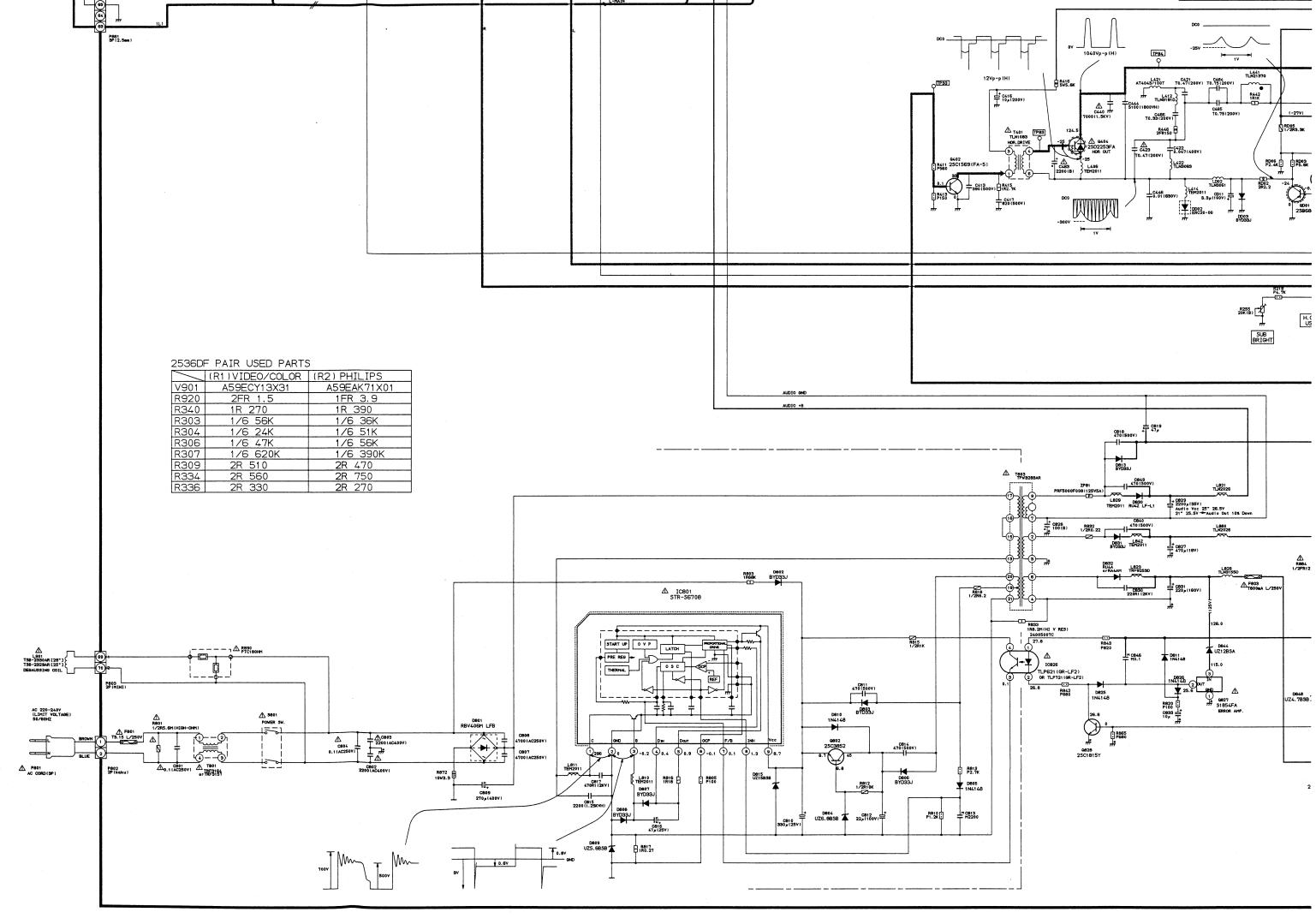
Rating Markings:

Туре	Mark
Ceramic Disc 50V Only	귀논
Electrolytic	╧┫┣╴ ╧┫┣╴
Electrolytic Non-Polar	-111F
Variable Capacitor	#
Other	-1 1-

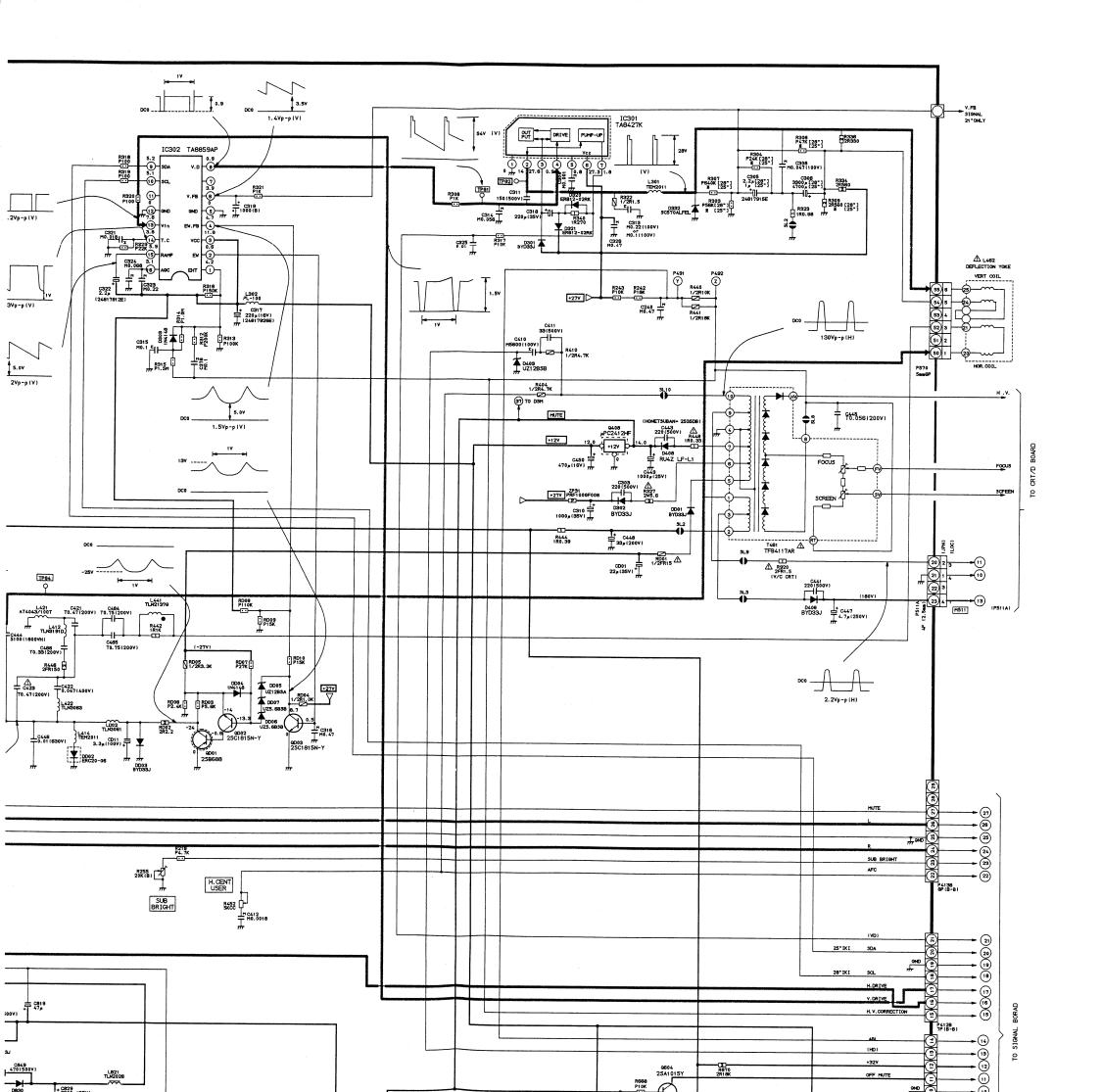


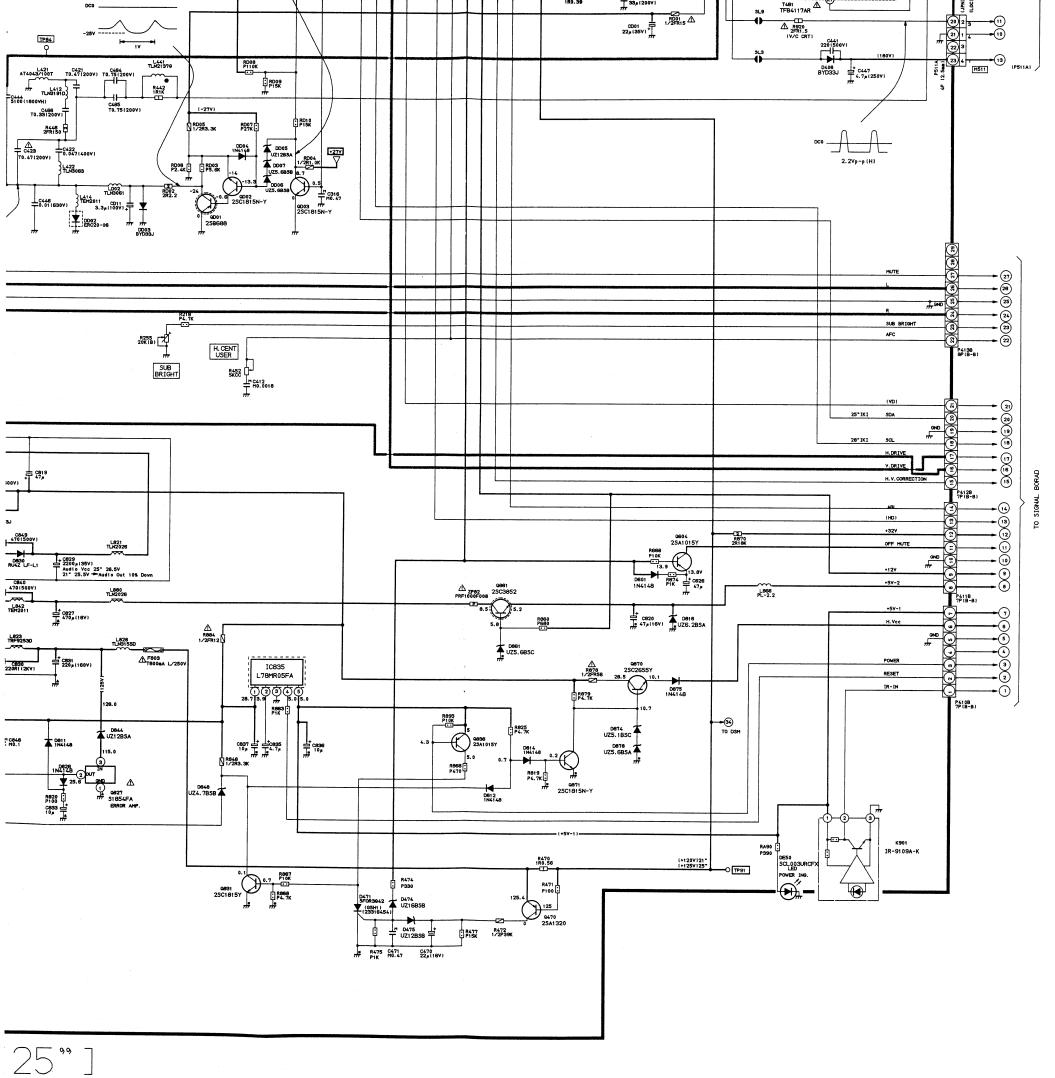






U903 POW. DEF. AUD. BOARD PB5073[28"] PB5098[25"]





SPECIFICATIONS		
Input Power Rating:	105 W (2836DF), 88 W (2536DF), AC 220 ~ 240 V, 50 Hz	
Aerial Input Impedance:	75 ohm unbalanced type for VHF, UHF and CATV	
Receiving Channels:	SECAM L Standard: VHF	
	PAL B/G Standard, SECAM B/G Standard: VHF	
	UHF channels 21 to 68	
	PAL D/K, SECAM D/K Standard: VHF	
Intermediate Frequencies:	Picture I-F carrier frequency 38.9/34.47 MHz (L VL) Sound I-F carrier frequency 32.4 MHz (L VH, U)/40.97 MHz (L VL) B/G System 33.4/33.16 MHz I System 32.9 MHz D/K System 32.4 MHz	
Picture Tube:	28 inches, A66ECY13X31, 660 mm (measured on diagonal of viewable picture area) (2836DF), 25 inches, A59ECY13X31, 590 mm (measured on diagonal of viewable picture area) (2536DF), 110° deflection	
Sound Output:	10.0 W x 2 (at 10% Distortion)	
Speakers:	120 mm x 80 mm oval 2 pcs	
Aux. Terminals:	21 pin socket (FULL), 21 pin socket (S-VIDEO/AUDIO), S-VIDEO, VIDEO/AUDIO INPUT socket	
Cabinet:	Table type	
Dimensions:	(2836DF) (2536DF) Height	
Mass:	33 kg (2836DF), 27 kg (2536DF)	
Features:	Video input of multi system, OFF-timer, Bass boost sound, NICAM DIGITAL STEREO, TELETEXT decorder	

Specifications are subject to change without notice.

TOSHIBA CORPORATION

1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-01, JAPAN